## - IMAGE EVALUATION TEST TARGET (MT-3)



Photographic

## CIHM <br> Microfiche Series (Monographs)

ICMH
Collection de microfiches (monographies)

L'Institut a microfilmé le meilleur exemplaire qu'il lui a d́té possible de se procurer. Les détails de cet exemplaire qui sont peut-stre uniques du point de vue bibliographique, qui peuvent modifier une image roproduite, ou qui peuvent exiger une modification dans la methode normale de filmage sont indiquiss ci-dessous.

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may altur any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

Coloured covers/
Couverture de coulour
Covers damaged/
Couverture endommagbe

$\square$
Covers restored and/or laminated/
Couverture restauriè et/ou pelliculde
Cover title missing/
Le titre de couverture manqueColoured maps/
Cartes ghographiques en couleurColoured ink (i.e. other then blue or black)/
Encre de couleur (i.a. autre que blaue ou noire)Coloured plates and/or illustrations/ Planches et/ou illustrations en coulourBound with other material/
Ràtié avec d'autres documants
Tight binding may cause shadows or distortion along interior margin/
La reliure serrie peut causer de l'ombre ou de la distorsion le long de la marge intériaure.

Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/
Il se peut que certaines pages blanches ajouties lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible. ces pages n'ont pas ítél filmées. .Coloured pages/
Pages de coulour
$\square$ Pages damaged/
Pages endommagiesPages restored and/or laminated/
Pages restaurbes at/ou pelliculces


Pages discoloured, stained or foxed/
Pages dścoloríes, tachetfes ou piquées
Pages detachod/
Pages détachies
Showthrough/.
Transparence
Quality of print varies/
Qualité inégale de l'improfision
Continuous paginationt-
Pagination continueIncludes index(es)/
Comprend un (des) index
Title on header taken from:/
Le titre de l'en-tite provient:


Title page of issue/
Page de titre de la livraisón

Caption of issua/
Titre de départ de la livraison

Masthead/
Générique (périodiques) de la livraison
Additional comments:/
Commentaires supplémentaires:

This item is filmed at the reduction ratio checked below/ Ce document est filmé au taux de réduction indiqué ci-dessous.
10x ${ }^{\circ}$ - 14x

The copy filmed here has been reproduced thanks to the generosity of:

> Sociötó du Muscee
> du Séminaire de Quobec

Thé images appearing here are the beat quality possible considering the condition and legibility of the original copy and in keeping with the filming contract epecificatione.

Original copies in printed paper covers ire fillmed beginning with the front cover and anding on the last 4506 with a pringed or illustrated impres.sion, or the back cover when appropitiate. All other original copies are filmed beginning on the firat page with e printed or illuatrated impression, and ending on the leat page with a printed or illuatrated impression. -
<
The leat recorded frame on each microfiche shall contain the symbol $\rightarrow$ (meaning "CON, TINUED"), or the symbol $\nabla$ (meaning "END"). wimehover applies.

Maps; plates, charts, etc., may be filmad at different redifition ratios. Those too large to be entiraly includiod in one exposure are filmed beginning in the upper left hand corner, lefs to right and top to bottom, as many frames as. irequired. The following diagrama illustrate the method:

L'exemplaire filmd fut reproduit grâce la: gdndrosite de:

Sociētē du Musce
dü Sërinaire de Quäbec
Les imagés suivantes ont dit reproduites avec le plus grand soin. compte tenu de la condition ot de le nettate de lioxemplaire filmb. ot en conformits avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papior.est imprimbe sont filmés en commencant par la, promier plat et en terminant soit par is dornidre page qui comperte une emprointe d'impression ou d'illustration, soit par le siecond plat, solon ie cas. Tous les autres exemplaires originaux'sont filmés en commençant par le premidre page qui comporte une emprainte, dimpression ou d'illuatration et en terminant pár la dornidre page qui comporte une tolle emprointe.

Un des aymboles suivants apparaitra sur la deirnialre image de chaque microfiche. selon le . cas: Io symbole $\rightarrow$ sjgnifie "A SUIVRE". Io symbole $\nabla$ signifie "FIN".

Les cartes. planches, tableaux. etc., peuvent itre film ${ }^{\prime \prime}$ s des taux de réduction diffórents, Lorsaue le document est trop grand pour être reproduit en un seul cliche. il eat filmo a partir d夭 l'angle supérieur gauche. de gauche a droite. et de haut en bas. en prenant io nombre dimages ndesessaire. Les diagrammes suivents illustrant la máthode.


## TMRAY AND SON,

## CHROITOMEITHR AND WATGH MAKGRS,

 89 \& 108, MINORIES,
## otheque,

3. tue de iUutur

Beet That in ponometern, going Hight Daja
do. ", Two Days
.. 40 to 45 Grineas.

Do. Pooket Chronometere, in Gold Oasos ... ... ... 40 to 45
Superior Lever Watoh, in Gold Casea, Chronometer Balance 21 to 27
Do. . do. Gold Hunting Cases" " " 24 to 30
Do. do. Silver Casen $\cdot, \quad$, ", 12 to 14
Do
do. Silver Hunting Capes.
13 to 15
"

Petant Detached Lever W atches, with all the latest improvementa, Capped and Jewelled, in Gold Cases

12 to 18
Patent Dotached Lever Watches, Capped and Jowellininh Silver Cuses

5 to 8
The Chainltas Watch. This is a new Lever Watch, of which wo aro the sole manufucturers. It is adapted for general use, but particularly for those going long voyages, having many adrantages not possessed by other watches. There is no chain, to break, and it has besideen all the strongth of the Fruene Being an extremely strong and useful article, itir recominenced to the notice of Mariners. Silver, from Gold, from


WATCHEs CLEANED OR REPARED, BOUGHT OR EXOHANGED.

 now 80 woll known that it requires no cominent. Ity value consinter in correot performanda in all Lititndes, and in"its maintenance of a regular rate ; for if not poamening this it th fand se eouroe of embarramiment and inconveniemoe. Too much care cannot, thens be remcied, whon mating a purghase, that wa instrument be welooted in whioh conflience pans be pleced, for many have no permanent uvofulnen, being conVructed with infurior movementer and wntempared apringh, which in a year or two love
 inftrumint is tanted before bein permitted to leave tho Rutabliakment; every cefort in thervore made to cucure to tho purahamer a good tarvicabble instrument 8hould a Qurosonintir or Watah fil in giving matrohotion, Mieme. I. and S. vill cxchange it

sailing directions

ISLAND OF NEWFOL D
COAST OF LABRADOR,

AND
the gulf and river st. lawrenoe.


COMPILED CHIEPLY PROM THE SURVEYE MADE BY' ORDEE OP THE
3 ritisty and frencl ©ofernments,

BY CAPMAINS H. W. BAYFIELD, R.N. ; F. BULLOCE, R.N.; JAMEF COOE, m.N. I MICEAEL LANE, DES BAREES, LOCEWOOD, LAMBLEY, AND OTEERS: AND BY CAPTAIN C. F. LAVAUD, OF THE PRENCH NAVY.

COMMUNIGATIONS FOR THE FUTURE IMPROVEMERT OF THIS, OB ANT OF OUR WORES, WILL BE THANKYULLY RECEIVED AND ACENOWLEDOLED.

CONTENTS.
$\qquad$

General Romarke-Nowfonit I.-Inewfoumbiamd AMD Mance
Cape Raoo, Ronowes
Fermouse, Aquafort, Ferryland, and Cape Broyle $\ddot{\text { Harboure, }}{ }^{\circ}$ and Caplin Bay Witteas Bay, Bay of Bulls, and Capo Spear St. Johnie Harbour
Torbay, and Cape St. Fraiais, Concoptlon Bäy, Bello Ïlo, and Saimon Copo .. Portgrave Bay
 Trinity Bay, Old and Now Perlican, Weatorn Bay, and Bay Vorde .. The Bay of Balla, Random and Smith and Dido Harbour Port Bonaventure, and Trinity Harbour Catalina Harbour, Bird Ialand, \&ec.
Bonariots Cape and Bay..
Black Head Bay
Nowman's Sound

Capo Mroels, Panguin and Funk Ialands
Raged Harbour and the Wadham INes
Fogo Ielea, and Change Ialands Ticklo


Tonalinquet Inland, Cape St. John, and
The St. Barbe, or Horso Inlandes and Paoquet Harbous Canadia Bay
Bello and Gronia $\quad \because \quad . \quad$..
Frobot Islen, Hise Beire, and Croc Harboure.
St, Anthony Harbour, and St. Lunaire
Gristiet Bay White and Quirpon Inlands
Noddy Harbour, Sacred Ialea, He-Ha and Pistoloí Bays $\quad .0$... .. .. ..... Bollo Inlo, arid Capo Normany Capo Reeo, and Tropassoy Harbonr* St. Mary's Bay and Barbour, Mal Bay, and Graat Salmon River Oollinot Bay, Cape St. Mrry, and Pimonatia Bay and Barbours Whe Ram. IIla, Piper'e Fole, Groat Sandy Harbour, \&e. Clatiti Harbour, Red and Long Iolands
In Pochlo, Purndico Socind, Great Gallown Harthoar, teo. Bame ind Red Blarboura, Andierne and Cepe Judee Inlee Kortior Bry, Groat and Luttle Barin Brarbourii Letto and Gruat 8t. Lawriace, Gurdon Bank, \&io. Cape Crapence Roorio; and St. Piorre
Diniley and 1 Ciqualoa, aind Portane Bay.


Dead Ialande Hiarboar Palan
Fort Aux Baequy, Grand Bay, and Cape Ras ..... 59
Pamarks on the Tides do. ..... 6
8t, Georgo's Bay, add Port-au-port ..... 61
Bay of Inlande ..... 62
Cape St. Gregory, Bonne Bay, and Cow Head ..... 63
Ingrensobbix Bay, Port Saunders, and Hawkes Harbour, \&co. ..... 64
Bay of St. John, St. Marraret's and St. Genevieve Bays, \&c. ..... 65
Bay of St Barbe, and Sevige Cove ..... 67
The Strait of Belle Inle ..... 68
Part II.-the coalet of hatrador.York Point and BaydixararNjor Sound, and St. Charies Herbour
69
3L. Lowis Sonnd ..... 70
Potty Harbour, Sophit, Chariotto, and Meckianburgh Harbóars
Potty Harbour, Sophit, Chariotto, and Meckianburgh Harbóars ..... 71 ..... 71
Gillberte Rive Fitaigg Sbip Herbours, and Sealing Bight .....
74 .....
74
Purtridge and Shallow Bays, Spottod Lalind, \&e ..... 7576
Wrook, Groonich, and Red Bay. ..... 77
Bleok and Foriona Bens. Mnd Bydipra Hurbour ..... 78
Done. Amoars Harbour.
Done. Amoars Harbour. ..... 79 ..... 79
Bonne Eoperarico Habbouir ..... en
2quaimeax Ielando ..... $\therefore 81$

Ho-Ese Bay, Grout Mocattinn Ieland, seo.
n.: 83
n.: 83
Tomatini Capo and Harbour Titell Mecettins To ind
.
. Waptongan Harbour, and Cape Whittle ..... 85 ..... 85 ..... 188
PART IIL-THI GULF Or AT. LAWREAGं自,
Gaarnal Romanks-Windo- Fogs-Carrente, \&cc.
B4. Paul's Ialand, and Magdalon Ielands
89
89
Bryon Inland
95
95
The Bird INlets, and Anticonti.
97
97
Conocombo Bay
98
98
Thequalks Bay ..... on
The Mingan Itanndan tré. ..... 191 ..... 191
Mount SL. Geneviove ..... 108
Oupe Gaop6
Inpor Bay and Harbour
Shlhomeio Harbour, and R. Risitigonoho5inchures, asd Carnquetto Hiarbour
Ehippigin Sonind©moon inarbour4109
Girumiohi Bay: 1.
Oupe Tornyentine, and Bay Vorto:ont$\because$- TMe

[^0]St. J

## CONTEN'TS.

Point de Menta, and Cape St. Nioholai .. ... .. : Paan
Point Mill Vacher, and the River Sagrenay ". .. .. .. .. ... .. .. 159


The Rasade Islota, and Green Ialand .. .. ... .. ... .. ............... ... 158
Red Inland, Haro İland, teo .. .. .... .. ......................... 16
Hirs Lland Bank, Barrett Ledge, "to. .. . .. ... .. .............. .. .. 161

Murray Bay, Condre Itriand, and St parlts Baty .. ." .. .. .. .. .. .. 168


The South Traverse, the Pillers, te. ".... .. .. .. . .. .. .. . . 185



Directions for milling ap the St. Lawrence from Antioonti to Quober .. .. .. .. 170
Raties of Pilotage ..:
.. 171
APPMEDIX
Halifux (N. S.) Harbour


## SAILING DIRECTIONS


#### Abstract

- Tre Brarings and Courbes are alí by Compass, unleas whan othicrwibe expregeed. Thie Sofndings are all reduobe to the level of low water, bpring-tides. The Distanoes are is Nautioal Miles of 60 to choh deaker. It has eecenter bern ordered by the Lords Compissioners of the Admthality that the word "Port" is to ble substitdted 'por the word "Labboard," in ali H.M. Ships or Vesbels, on account of the similartty exteting betwein the' words Starboabd' and Larboard, froif whiok mant mistakea have arisen.


## PART L

## NEWFOUNDLAND.

GENEHAL REMARKS. and the neareat to Europe. The distance between the island of part of ${ }^{\text {C Ameriog, }}$ wouth-weot const of Iroland, and St. John's on the onest coast of Nowfoundland, is 1056 pautioul miles. The feltand ls vitulted betrieen $40^{\circ} 40^{\prime}$ and $61^{\circ} 80^{\prime} \mathrm{N}$. lat,, and $62^{\circ} 4{ }^{\prime}$ and $69^{\circ} 81^{\prime}$ W. Jong, on the, ineith-enst side of the ontranipe to the Ginff of St. Lavrionoo. The form of it he very irregular, and the shorev are bioken by numerons beye and harboura. Its horth westorn oxtromity is coparated from the const of Latudor by the Etralt of Belle Iole. The south wret point is opposite to Oape Biftonj it is open on the ' emet to the Allentio, and Ife wost ooast forms the onstorin bogindery of the Culf of si Larrence. Its extreme length, mesoured on a line ortending from Oape Rece in the routhesiot, to Cape Norman, at ite northern qutiomity, ts 826 milon, and the length from Cope Frols, the northern ontranie to the Bay of Bonayiotan to Oapo Ray, opposito to Cape Byoton, is abount 250 miloty. The inland hee yover thoroughly beon survoyed, but it is computed to contain 85,600 mquere milet, though eome estimater make it conciderably more.
Tho appocrance of Nowfoundiand, from the eis, is extremely ragsed, the oowt lind bolng broken info mainy inlete and harboars. All the dettiements have been made for the purpon of promouting the fithery; they have bean uniformly plecod ox the oonat, and ow or no attempts have been rade oven to aoquire any knowledge of the interion. Theo getioments now hmount to 80 or 70 , the greater part of whioh ans on

on the inland is St. John's, sitanted in about $47^{\circ} 85^{\prime} \mathrm{N}$. lat., $52^{\circ} 38^{\prime} \mathrm{W}$. long., on the east side of the itand, which, beniden being the seat of government, is the principal harbour for trading vemole.

Nowfoundiand was probiably firut disoovered by the Northmen about the year 1000. John and Sobastian Oabot, on their seoond voyage, dieoovered Oape Bonaviste, on thil ieland, on the 24th of Juae, 1497. Landing in the adjoining bay, they found several natives dreseod in the akins of animals, and formally took possension of the island, Which they oalled Baooalaos, the name given to cod-fish by the natives; t name, it may be remarked, which has boen adopted into the language of Portugal (baoalhao), formed a eettlement, from whieh they were driven by the English under Sir Francie Drake in the roign of Elizabeth. In 1810 a eharter was granted to a company of adventurere of Lomdon and Bristol, for colonizing Newfoundland, and a oolony was eatabliehed at Conoeption-Bay. Four years later, oourts of justioe were estahlished by rojal authority in the ioland; and the firat Lord Baltimore, in 1023, entablithed : flouriahing oolony at Forryland, on the east oonst, whore he himeolf resided for misuy jeard. From this time numerous settlements were oontinually made along the east coast by the English, white the Fronch establiahod themselves on the south, at Placentia, in the bay of that name, and maintained possession of it until the treaty of Utrecht, in April, 1718. By this treati-Newfoundland and its dependenoies were deolared to belong wholly to Graat Britain, but the French were allowed to flah and cure what they should eatch on some parts of the shore, but wore not allowed to ereet fortifications. or any other buildinge, oxcept suoh as wore etrigtly required for the purpotes of the Aehery.

It was agreed in 1818 , that the veqsels belonging to the United Btates shoald have, In eommon with the British subjects, the privilege of oatohing fieh on the sonthern coast, botwoen Cape Bay and the Remea islands, and on the western and northern coasts, from Cape Rey to the Quirpon Ialands; also on the shores of the Magdalem Islands, and on the eoasts, baje, harboure, and oreoks of Labrador, from Nount Joli through the Strails of Belle Iste, and thence northward, indefinitoly along, the coest as horetofore, but without prejudios to the exolusive rights of the Hudson's Bay Oompany. And they have alos the liberty to dry and oure fish in any of the nnsettled bayi, harbours, and trieeks, of the sonthern parts of Nowfoundland and Labricior, but 00 long only an they shall romain unsettled.
 of the Island of Nowfoundiand, are sererpl extonsive aand-banks, abounding with fish of various kinds. In sounding, the bottom is commonly covered with great quantitios of sholls, and frequented by shonls of small fish, most of whioh eerre as food for the ood; and these thrive so amaxingly, and are so inoonceivably numerous, that although many hnpdreds of vessels havi boon annually supplied fith them for more than twe conturies, yot such a prodigious conaumption has not appapaptly diminighod thoir numbeirs. The fichery is not oonined to the banks, but oxtonde, in equal luxuriance, to the ohores and harbours of Newfoundlend, Nava Sootie, and Broton Island. The fish commonly aro mont abundant whono the bottom is sandy, and the doptse about 80 fathoms; where the bottom is of nuud they ere ebserred to be loie numerous. In rinter they appear to retire to the deep, wator, hut in Fobruary. Maroh, and April. they oome agaia on the banke, and fatton rapidly.
THE GREAR BANK to the eouth-emetward of the indond, oxtonde from about the Jeth of $48^{\circ} \mathrm{N}$. to $47^{\circ} 42^{\prime} \mathrm{N}$. It form, like that of the other banks, Is not aneily dofined; but ubout the latitude of. $15^{\circ}$, ite breadth is neeriy o dogrees, whanca to the couthwerdit is nrrowe almoet to a point, and seems suddealy to drop into fetbombens
 or in $46^{\circ} 40^{\prime} \mathrm{N}_{4}$ and long. $49^{\circ} 80^{\circ} \mathrm{W}$., coundinge in 76 fathone mhitiah mand; $\mathrm{will}^{\mathrm{b}}$ obtaingd; this will be about 140 miles to the ecetward of the Vingin. Rookg Although, in thit paralilol, the Grand Bank oxtamds farther to the epentirerd, than whon Jou ero firthor to the mathward, it eannot bo recommonided as a safe ope, on socount of the

[^1]ng., on the - principal year 1000. ste, on this and several the island, anme, it (bacalhao), sland and iir Franois ompany of solony was hlished by ablithed a Ifor mauy Ig the east south, at - treaty of acies were , fleh and od to ereet od for the sald have, , euthern northern Magdalen lount Joli the oonet con'o Bay unsettled ricior, but

## routhward

 iing with ith great serve as tumerous, them for ppapaetly ctende, in cotian, and is sandy, reed to be Eobruary, about the oot ameily Qa, to the thomleas chout 00 بре Recs. d; will be lithough jou are nt of the
## ton of thit 

rooky shoel of oult 21 feet water; of about 100 or 200 spet in extent, reported to have been men by Mr. Jemo Rydor, of the fishing eohooner Bethol, in 1815, in lat $10^{\circ} 30^{\circ}$ and aboat 00 miles to the enstward of the Virgin Rooks; it is, therefore, negessarg,to proceed with eaution when runaing on this parallol., We will suppose that jou are
 obtain boundings on the edge of the banki in long. $48^{\circ} 45^{\circ}$ W.; here the bank is vary steop. In lat. $10^{\circ} \mathrm{N}$. end long. $49^{\circ}$ W., you will atrike the edge of the bank in 105 fathomis, rary ine groy spariling eand; but thmodiatoly you are to tho rectimaril of this powition, the moundinge deareace. Honee, the edge of tho bank has a Bouthweetorly direotion to lat. $45^{\circ} \mathrm{VX}$. and long. $10^{\circ} 50^{\circ} \mathrm{W}$., where are 60 fathome, haviog immodiatoly to the coatward shoal water of 40 fathoms, fime sand, oholls; and mud, and to the wreatward, doop water. In the wostern part of the bank, in long. $62^{\circ} .80$ W., is a deop gulloy colled the Tron do la Baloinc or Whale Deep, in whioh are 57 to 69 fathoms, with a bottom of mud or oure having a fotid mmoll ; this doep abounds vith different zorth of aish, but more partioniarly the ood, which are inownoivably numerous. The depthe of the Great Bank vary trom 20 to 80 fathome, and the bottom diso varies comalidorably, but it generally consiots of mand, or sand mixed with tholls and gravel, ravely with stomen.: The eantorn face of the bank is of clear Whitich sand, and ofton aparkling. Bnt the best idea of the aliape and soandimge of the bank will bo chined by reforringe, he chart whioh aicomplanies this mait. ${ }^{\circ}$

The Vingin hioake, Should you in. the Great Bank botwoen $10^{\circ}$ and $47^{\circ}$ parithals of letitude, you must b's very eareful to avoid boing drifted upon Cape Reoe of Virim Book. Theo rocks wrere earvejed by Gaptain Bishop, R.N., and Mr. Bow, Ret. and the following partieulare are the reenlt of their obeorrations. The bank on which the Virgin Rooks nre eituated was found to oxtend 41. miles in an E. by S. and W, by
 from 28 to 80 fathoms. Beyond thooe limith, tho depth increased muddonly to 89 and 13 fathoms. In the Nautioal Magusine for 1832, p. 10 , it is atated that "" the oir meridinn distance frome Halifir' was fonud to be $12^{\circ} 10^{\prime} 0^{\prime \prime}$. $\mathbf{E}$., and the longitude of the rooks dopends on Halifar Dock-gatd, which is euppoted to be in $68^{\circ} 88^{\prime} d 1^{\prime \prime} \mathrm{W} .{ }^{\prime \prime}$. Mr. Rove desoribes theot rooks as oxtonding in an irregalar ohain, or olvator, 800 yardy in the. dirbotion of N.E. by E. and B.W. by W., their broadth varying from 200 to 300 yaz , Thoy wore diatinotly seen undor water, particulariy a large mass of white rock, 1 is 4 fathows, having sand 61 facthoms round it. The ahoal was traced in 7 fatbomes on detached mooks, moner the odge of it, having deopor wator betreon thom. On the southorn edge of the shool, From S.E. to Weot, the depth increacies gradualy to 80 fathoms, the tistance of half a mile from the shoalout part The came dopth was found to the N.W. and N.E. of the shoal, at the distanee of one-third of a mile, and slao betrienn N.E. and 8.E., at the ditance of one mile. The ourront was fonnd retting to W.R.W., at the rate of one mile per hour over the shoal, vith a confuesd oxame nell.
Gifionh, A ahocl of 21 feat wetor was latoly diceovered (1846) by Mr. Jesse Bydor, of the fiehing ehooper Bethel, in lat. $40^{\circ} 20^{\prime} \mathrm{N}$., whioh appeared to be arreok of 100.02200 fot surfece, $H_{0}$ disoovored it eccidentally, while soesohing for tho 9 -fithom bant, to fieh upon, and suppoped it to to abont 00 miles to the eaciward of the Virgin Rooks, and to bear 8. by W. about 11 milen from the 9 -fathom bank Mr. Bydor wae eirrtin that: it formed uo part of the Virgin Booke, having atomwands
 ariat
To the wootward of the Groet Bant is a vorice of trank, oallod the $G_{\text {reen }}^{j}$ 㫙 Pierre, Mizon, Banquasman, Canoo, and the oxtearive benk which oxteade of gebla Ialand, to the wertmard, along the conat of Nova Sootia. All theoe banke have from 20 to 70 fathoms on them, and afford a good indioation of a ship's appronck to

[^2]THE FLEMISH CAP, ealled also the Outer or False Bank, is a patoh of rioing ground to the eastward of the Great Bank, in long. $14^{\circ} 80^{\prime}$ W. and between latipodes $4 \boldsymbol{f}^{\circ}$ and $48^{\circ} \mathrm{N}$. It hiss lately been partially surveyed by M. Lavaud; of the Frenod Navy; from whose observationa it appears to be very ateep on the western pdge, there being nio bottom immodiately after sounding in 180 or 150 fathoms on its edge. From long. $44^{\circ} 52^{\prime}$ W. and lat. $46^{6} 58{ }^{\prime} \mathrm{N}$., in a depth of 79 fathoms, large atones; a line of sound. ings gradually inoreasing in depther ${ }^{46}$ anirriod to the northwand, to lat. $47^{\circ} 60^{\circ} \mathrm{N}$. and loog. $45^{\circ} 19^{\circ}$ W., Where the depth was found to be fay fathoms, bottom of soft much Between it and the western edge of the Great Bank is much deeper water, with of bottom of fine sand and oare, whioh will soarcely stick to the lead, and as you procoed westward towards the Great Bank you will meet with fue whitish sand, apeckled
If bound ito St. Johns Harbour, it is advisable to keep on the parallel of $46^{\circ}$, or $13^{\circ}$ to the southward of the parallel of that port, and until you approach the outer edge. of the Great Bank, and obtain soundings in long. $48^{\circ} 90$ or $48^{\circ} \mathrm{W}$., to steer direotly to the north-weatward for Cape Spear; but if bound for the Gulf of St. Lawrence, you ahould endeavour to crose the bank in $45^{\circ} 30^{\prime}$, and when about in $55^{\circ}$ or $56^{\circ}$ of longitude, shape your course north.westerly for 8t. Paul's Island, or Cape North or

In thick weather the lend should be kept going when leaving the weatern edge of the Green Bank, to asoortain when you fall into the deep gulley of 80 to 90 fathoms, mud, which rung N.N.E. and 8.8.W., about 00 milee, between St. Peter's and the Grean Bake. Tho middle of the gulloy is in lat. $45^{\circ} 35^{\prime} \mathrm{N}$.; by sounding in this gulloy, and foeling the edges of the banks oh'each side of it, you will obtein a fresh departura.
If imaking St. Pierre or St: Petor'e Island, adopt tho following course, which is followed by the Frenoh fishiog vesiela. From the longitude of $52^{\circ} \mathrm{W}$., in lat. $45^{\circ} \mathrm{N}$., steer a N.W. oourse, which wilt oarry yon acroas the Green Bank in about 48 fathoms water, and when in the meridian of $55^{\circ} 10^{\prime}$ W., in aboat $45^{\circ} 00^{\prime} \mathrm{N}$., you will suddenly doepen your water to 90 fathome. A farther ruin on the same courio for, about 10 miles; will carry you corone this gulloy, when you will shoal your water to 35 and 30 fathoms; and cettar a farthor run of 28 miles, may steer about N.N.E. directly for the iolenid.
In the epring or enmmer, veseels from Great Britain should keep well se the northward ; for it has been long observed that vessele from the Pentland Frith and the Oyde, have always made quicker passages than those from Bristol or the English Channel. During the winter season the dmerioan packets always keep well to the northward. The preferable coursi for vessols bound for the Bay of Fundy, in the summer, is to keep as far to the northward as lat $47^{\circ}$, until reaching long; $40^{\circ} \mathrm{W}$., then to edge away to asito orose the tail of the bank in about lat. $48^{\circ} 30^{\prime}$ N. At this season of the year you will be more clear of the numerous fishing-vessois that resort to the banks, and periapa fall in with less ioe, but a atrict look-oit for the latter is always necescary. After being to the weatward of the banks, endeavour to koep in lati $48^{\circ}$ to avold the northern edge of the Gulf Stream; but in the winter the bank should be eroneed well to the northward: to guard againat the north-westera, which blow very hearily.

1. Two veanly bound to the lower ports in the 8t. Lawtence have beon known to pase the Peatland Frith together, in the month of April ; the one had a pasaage of 21 daya, and the other, the faster sailer, of 7 weeks. In comparing loge afterwards, it appeared that they wote both in about long. $80^{\circ} \mathrm{W}$ : on the eame day, lut the one was ebout 100 miles to the southwiard, with a gale at Went, while the other to the northwand was ruvning 9 knots, with a freak gale at N.E. All the shipa which kopt to the corthward had fine peceigige.

To these romarks on the passages from England to Newfoundland, the following, by a correcpondent of the Nautical Magazine, 1833, p. 329, may prove not unaccoptable.
"Although the Foyege to and from North America, between the parallels of $80^{\circ}$ and $40^{\circ}$, has always bees attendod with a degree of peril, from masses of ioe which drift to the sonthward, during the summer month, from the polar regions, yet many an un wary mariner meken hip ruy gerose the Atlantio without any approhonsion of meeting thene floeting dangorn, or without sufficiently exeroiaing a proper disoretion and
vigilanoe to guard against coming in collision with them. This is not meno conjecture, but the information of persons who annually perform the voyage, beade the result of my own observation, in aceidente which have repeatedly, occurred to vessele between Newfoundland and England, and + in the number of misting ships on this routo. Commionderi' of ships should therefore bear in mind the imperative necessity there is for uslug their utmost vigilanoe and attention When oroasing the above-named parallole, especially between the meridians of $80^{\circ}$ and $60^{\circ}$. West, to guard agajnst eoming in contact with theme formidable dangers of the ocean.
The Now York packot shipa, well supplied with every escential equipment, and olegantly fitted for the accommodation of passengers, when making their winter voyage from Liverpool, keep in high latitudee until nearing Newfoundland. This they do for the twofold objeet of aroiding the tempestuous woather so generally experlenced to the southward, and of obtaining fairer winds; and thus, by slipping within the mighty stream from the Florida Channel, they ovade its retarding influance. The voyage by this route is shortoned; and, although bad weather mast be expected, it is not so violent as farther south; betides which, the eastorn ourrent is avoided. I believe it is au unusual thing to meet with ice in this part of the Atlantio in the winter; but we have the following recent instance to the oontrary, so that a look-out ehould be kept in that semson, as well as in the summer; by veasels making the royage.

It appears that the Emulous packet, on the 26th of Fobruary 1888 , met with much field-ice on the coast of Nova Sootia; and in the latitude of $48^{\circ} \mathrm{N}$. and long. $10^{\circ} \mathrm{W}$., those on board were much surprised by falling in with a large quantity of strongly packod ice, whioh reduced the veseol's way to of and 7 knots , from. sailing at the rato of 9 knots, under close-reefed main-tqpgail and reefed foresail. On the thi of March, she fell in with three bergs, of large dimenaions, in a rux of 95 miles; and at nine the same evening she was obliged to pase betwrean the two eanternmost of these before hearing-to for the night; after whioh, by keeping amore northerly courme, no more of theee dangerous flomitig masses.were seeno
From all aocounts it seeme that the greatent danger is: to be spprobended in the vicinity of the Banke of, Nowfoundland; and this, as every navigator knows, is inoreased by a dense fog which gonerally pervades the atimosphere in that quarter, and, of course, shortons the distanoe of vision to a very circumseribed limit."?
The Banke are frequently enveloped in dense foge, which, from the middle of apring to December, have been known to last 8 and 10 days suocemively; at suoh timee they are often to thiek that you will not be able to soe tay objeot 10 fathome distant; $\mathrm{j}_{\text {. }}$. continual drizaling rain is dropping from the sails and rigging, a genoral calm pren vaile; and sometimes attended with a oonsiderable swell of the sem so that youlare constantiy in fear of muning foul of some reseele, or baing drifted by the ourrente upon some dainger, whioh, from a total inability of discovoring, you will hare great diffieulty to avoid. The currents whioh surround the Ialand of Newfoupdland are frequenily so violeat and so irregular, sometimes driving towarde the ahore and sometimet towards the sea, that the greatest caution will alwaye be fonnd necoseary; while the eurrent coming from the northern regions aweepe alopg the ahores of Labrador, and, in the apring, detaobee immense icebergs, which flomt to the southward, and become ex cesedingly dapgereus, enpecially in foges weather; seme of theme menees will frequently be grounded in 40 or 60 fathoms wator, and others will bo met with farther out to seaverd, at the distance of 125 or 130 leagues from the land. Fortunatoly theer formideble objeote nay generally be ditoovered, oren in derk weathor, by a white and bright.appearmance of the ily above them, and also by the rowr of thi Watori brieating agrinat thom; they also may be approhended by the intanas coldnees thoy difflape to a great dintance around thom; they continue and are usually mot with an lato an Jone, July, and Auguat. Your epproach, to wardiftho baike mey bo knomp by the numorous, ces fowis which will attend you, en mohes, malimaukg, and dirapa; theme lattor: are soldom found more than, 80 leqguen off the banke, but malimente and othert are gecenalonally reop all norions the Atlantio, but in the vioinity of tho bonke they bocome numeroas. The great fishery commences in May and continuen till the lattor end of Soptember.


eactward, all along the sonthorn conet of Newfoundland, with frequently fatal relo oity, causing an impotnous indraught into the various beys, and oceasionally the lowe of many lives, and tho wroek of numerous vemols. Theeo looal ourrente chielly provail on that part botween Cape Heoe and Oape Ref. Tho Britioh frigat Twoed, the aloop Comup, the transport if urpooner, were all, of late yoary low on thic ooset; the two lattor nearly on the same opot, and within three woale of cech othor. H.M. ship Drako, in Juns, 1822; was wrooked about tho eamtarn head of 8L 8hots Bay; and in the July following the brify Spomop was totally lost on the same dyagors: so that it would seem that more vescole have been east away on the mmall point of ind whioh dividee the two, bays of Tropaisey and 8 . Mary, than on any other part of the island:-that these sooidents ware ocosaloned by, the currents, thers can bo Bittle doubt.
It frequently happenis that a Haml bound from In gleand to Quebeo will strike soundings on ths Great Bank of Nowfouachland, and tho poe shape her courte for the Gulf of SL. Lawrones, without over sooing the land whio probably, is onvoloped in fog: Whon unable or negleoting to make a proper allowance for the above eurront, which runs cometimes at the rate of 4 ) milee an hour, ho is swopt nway to the wewtwand ; and white he condiders bimsolf to be stoering fairly for the ematraice of the gulf, he is driven on shore, and his veacel becomee a wreck.
Au ablo navigutor, who han boen 20 yeare omployed in the ficheriow, and who in a native of Newfoundlend, obsorvos,-" It is woll understood by all the boat-meaters.
 weetora coast of Nowfoundlend, Which, aftom pawing Oape Pine, runs more towarde 8t. Mart's and Plocontia Bays. This ourront will be folt at lonet 80 lowgucs to the B.W. of Capo Pine, and becomes more rapid an, you approwh the land, in reldoity inoreasing at the winds favour its direotion; but at ell times of suffiolont megritado to endenger the anfoty of any reamol approening from the couth or weet, in foges weather, and being ignorant of its exietonoe.".
In order to aroid the danger arising from thin ourront, the fishermon, in foggy weather, when returning from the wistem oonet to their homet on the engtothe ebore, invariably uso the lead, dopending more upon the dapth of water thren their compaes, and always leoping a sufficient distanos. from the land, to oniore the imfty of the vesel. On peaing to the eacitrand of Oupe Rece, thes nover approsoli nearor to the land than 35 fathoms wator; the ground bolng mord of an frolincid plans on the west thian on the cast oonst. You will find that depth of wator at a eonadiderible dis. tance; the ground beoomen more brokon, and the depth of water turecece no fest, that in Jque cource from Oape St. Mary's to avold, Oape Raco, you will, when to the castward of it, fimd youmwif in 60 fithoms, and whon edvanoed a rary short dintance farthor, you will sound in 00 and 70 fathoms ; cohsoquenaly; the land will then bo oleared, and you may eafoly puriue what coarse you think proper; but; in alt this mavigation, thid matrinory mefoty vill, in a groat moneuro, depend upon a duo attention to the lead.
The winds being variollo, there in little doabt bat that thoy produce many oliangoes In the ourrente; chifte of wibd to the wovehward of the idhand boing to oommon that it ofton happoas thiet, aftor blowing a galo from one point, it endionly ehifis to tho opposito, ophthufing to blow with the reme violombe. One vacial may thas bo lyiag


Wo will alow thoe remarky upone the earento by tading the sollowing frope the

 to the Great Bank; tarien Htifo from EisiB; to 8.8. thew pointu; Ats woloolty is eldom ive than 8 to 10 milo in tho gh hotin, and wime-
 bouks, and copeoinly off the macth part of the Groat Buyt, the (earronts hath and form ruph strong eddieg, theit a vheol boonimed, or with lisht windy coanot emimmo how potition with ornotnewis thit is probably coomeloned by the alde of the Gul Stream.
Tho orrronts on the Great Bank have a variable dircution, of whoh tho what is

fatal relo ly the lowe tht ohielly tot Twow, die conat; W. H.M. oot's Bay; agers: mo ot of land nart of the the littlo vill etrike of for the eloped in - ourreat, tho wentoo of the

## or to the

 on the able dis. 100 fent, in to the diatance then be all the thention con that to the - lyiat indion nown to one the Hoseh Wentrea 1 tomesell the dit andthat the ourrent overy day makes the round of the oompaes; and it is found, by olowe observation, that beyond the meridian of Cape Race it is montly to the westward."

Ion. $\pi$ The following remarks upon ice in the Narth Atlantio by Mr. W.C. Redifeld, although. porhapa not immedistely conneoted. with our aubjeot, are added, as thoy cand. not but prove intoresting to the reader:-
"Of the variousily for whioh beset the path of the mariner, perhape"thoro aro none which excite ta thre vigilance than the known or expected proximity of ioe. In some frequented tiorthoge of the Atlantic Ocean the ioo appears almont overy year, in the various formit of fialdioo, floes, and passive ico-inlands, drifted from the aretio regions by the conotant motion of the poldr currenta. Thees ioo-bearing our reuts, in flowing towards the South, must necmearily incline towards the weotern limits of the ocean, owing to the increased ralocity of the diurnal rotation of the earth's surface as we depart from the poles ; $n$ law well understood as regards the curtrents of air whioh form the trade winds. Hence it is that on and vear the Bainko of Nowfoundland these ice currenta are found to crom the usual track of vessels bound from the ports of Europe to North America.
The quantity of ice whioh appeara on this route of navigation in different years, is exceedingly various. It is sometimes meen ese early in the year as January, and eoldom later than the month of Auguat. From March to July is ite moet cosmmon season. It is found most frequently to the weat of long. $4^{\circ}$, and to the osetward of long. $688^{\circ}$; but ioebarge are somotimes met with as far eantward as long. $10^{\circ}$, and in tome rare casen even mtill furthor towarde Eutopo.

Experionce has ahown that the proximity of ice is far lose baxardons than rocke or ahools; and this floating danger would be atill lest formideble were it not for the foge and mists which it ofton caunes. The theinomettor hat been often held up ap afforit ing eure indiontions of ah approech to ice, by the reduction of tomperature show both in the air and watar, and these indicatione are important and should by no means be neglected. But thero may bo many oeces of appreach to ice white à nolianoe upon the thermometer yone could not alicord security.

Although little or no iee be seen in one pareage, or oren in many times aroming the Atlanio, yot it has been frequently wet in meoh quantition as momod to indionts a vant or indefinito extenaion of the joe-fiejds, towarde the poler seas.";

## EAST COAST OF NEWFOUNDLAND.

## CAPE RACE TO CAPE ST. FRANCIS.

ansm main the south-enst point of Nowfoundland, lies in latitude $40^{\circ} 90^{\circ}$ a4 N. and longitude $68^{\circ} 4^{\prime}$ W., and fa a table lead of moderate hoight. A black raok lies near to it, and soveral mmedlor ones aroand it."

From Cape Beoe to Oape Bellard, the oourse in M.E. by E. 8 miles; neariy one mile to the wouthward of Cape Ballard, is a high blech hoed, oelled Obila Cove Ifemd betweon the pointe is acope. To the weatwand of Chain Cove Head, hies Ohain Oove, before whith How sibleck rook sbove water. Nearly milwey botween Oepeis Fiece and Ballard is Glan or Clem Cove, a pluoe ophly fit for bonter

About 8 miles E.S.E. froin Oape. Rece, and to the southward of Cupe Bellerd, is a fiching bank, oaliged Now Beak, tbout 5 mitios lovis and nearly 8 miles broed; on it there are from 17 to 20 fathome witer.
 minall rooks bold 60 , named the Renowac, which aro of moderato helght, mad tho ome mile from the main latad. About 2 milos to the northwird of theoe rocter, mad eboutt a pifle to the sonthward of the ontranot to Honowee Harbour, Hies Rearowe Itlow,
 dififent plepes and has pot above 16 or 16 feet at low wator. Thyort ane ocviril

[^3]rocks in the entrance, and the woutheast winds heave in a very groat eea. To mail in you muat Keep the north ahore on board.
FERMOUSE HARBOUR-lies about $2 i$ miles from Renowes, having betwoen thom a mall place named Boars Cove, of which there is a sunken rook, about a danger in suiling into it, though the entrance is not moillent harbour, there being mo Just within the entranoe, on the entrance in nof more than a ceble's length wide. carried on, but there is no safe place for anohoring amall oovo, in whioh a fahery is farther in, on the same side, is another fore, anohoring: About one quartor of a mile ohant-remeole generally ride in 7 or 8 fove, namod Admiral's Dove, in which merfarthor up the harbour is a placo onamed Vice-Admirar, lend-looked. About a mile is the best anchorage for large ships, in 18 or 15 falthoms Cove, on the south of which there you will be conveniently situated for obtaining noms water, muddy ground, as on the same side, is 8beop's Hem Cove, direotly off wood and water. Farther up, ohannel, there is. shoal, on whioh are only 9 feet watar; this is the onidy of the danger in the harbour.
About N.E. by E. one mile from Permo farther N. by E. is Blaek Head. AQUAFORT HARBOUR
in its entrance a high roek above arout one mile N. by W: from Bleck Head, and has with ebout 15 fethoms water. The harbour runs into of which is the paseage in, narrowing as you advanoe, until abont half a mile from the wostward about 8 miles, becomes mioh oontructed, affording howiever mile from the head of the bay, where it narrows is a emall eove of about 7 fathome whout 4 fathoms water. Juat within the place far vessels to heave down, the shore being steap. To sail thidered to be a good give a berth to the stony beach on the north shoro, To sail through the narrown, shoal, excepting at the point of the narrows where it is bold-to the narrows, it being FERRYLIAND HARBOUR - Parriland Head lies ofde.
Aquafort, and N.E. $\frac{1}{1}$ E., 81 miles from Fermouge lies E. It S. dietant 2 miles from close off it, two high rocks above water permonse. It is moderataly high, having, easily distinguished, on teoount of the main lend the Hare's Eara. The hoad is not entrance into Ferryland Harbour lios to the no within it being much higher: The Inle Bois, and is littlo more than half a cable's longth wide ; bo heod, between it and Isle Bois it is much wider and affords tolerable good anohorage in you are within Water; but the north-east winds heare in able good anohorage in 8 or 10 fathoms extend from the Isle Bois to the main. in a very great sea over the low rocke that

From Isle. Bois to Gooee Ioland, th
mile; and from Goose Island to Stone course is N.E. by N. I N., distant half a - mile.

CAPLIN BAY
to be tolerably good har. Isfand. To tho northward of Gooving a safe passage into it on either side of Goose the leant danger, the islands beling bold-to between it and Stone Island, there in not Island, between it and Isle Bois, be sure to ifep you pass to the couthwand of Goose to the ecestrard of Ialo Bois, in order to to keep the point of Forryland Head open only 2 fathoms wator, lying nearly midway betreen $G_{\text {oose }}$ Ialand whioh there aro Point; ator you are withln this rook, thers is to danger in siling and Oold East beat anohorage is abrenat of se cove mero is no danger in sailing up the bay. The Soogin's Head, in 16 or 17 fathophe watert the port hand about hali a mile within From Ferryland Heed to Oapo Broylo,
is a high tablo land, and makes in thoylo, the oouree is N.N.E. $2 t$ milee. This oape southward. From the north part of the of a Eaddlo, aither:ftom the north ward or
 and the main tre apwarde of 20 fathome are only 8 , fathoms wator; but betroen it the ENLE of Oape Broyle there is mildge of rocks Abput thre-quarters of a mile to ure from 7 to 14 fithome witer; in bad weether the eos the Horse Roake, on which rockener Tho mart for thete rocks is or whethar the eas breake vary high on theno with Stone Ielanide, and the houd of Cape Broyle Bar 4 quese on Forryland Downs open upon thom.

## CAPE RAOE TO OAPE ET. FRANOIS.

Cape Broyle Harbour, which runs 4 miles up. About $1 \nmid$ miles within the ontrance on the north shore is a cove, oalled Admiral's Oove, in whioh is anohorage in about 12 fathome water, good ground, but exposed to the south-east. The bent anohorage is above the Narrows, in about 7 fathoms water. The only danger in sallyog up the harbour is a ledge, called Saturday's Lodge, which lies about 1 ? Oablee longth without the Narrows on the north shore. If you are coming in from the northward, keep the Siadlie on Brigue Head open with the point of Admiralis Oove, asjit will cairy you olear of this ledge. Ater you are above the'Narrowa, yon may anchor in about 7 fathoms water, good ground, whero you will be conveniently situated for obtaining wood and water.

Close to the northward of Brigus Head is the amall cove of that namf, ft only for boats.

Oape Neddick lies 41 miles from Cape, Broyle, and $7 \boldsymbol{7}$ miles from"the Hare's Earm of Ferrylahd: it is a table land, of moderate height, and atoop towarda the Eare From Cape. Neddiok to Baleine Head, the distanoe is is miles. Baleine Covo is about one-quartegy of a milo to the northward of Baleine Head, and is but a mall placo, fit N.E. for boats From Caps Neddick to the outer point of Great Itland, the conrse is N.E. by E. $\frac{\text { E. distance } 21}{}$ miles. This ibland is about half a mile in length, and of moderato height.
From Baleine Heed to Spear Isle, the courve is N.N.E. E., distanco 1 milo.
Woing thie ialand a fashery is carried on, but there is no aafe anchorage, the bottom fit for boats.: Aodis Cove in sbout a mile to the northward of Spear Isle, and is only. called Tinker's Point; from which to the north point of the said bay, Momablee Bay, point of Witless Bay, the dietance is about 14 mile of the sajd bay; being the south about óne mile deop. point of Witlese Bay. From this point a ledge of rooks extende about one-third of the distance over to Green Island.

The south point of Gull Island lies about threosquarters of a mile to the northward of Green Island. The ialand is about one mile long, and a quartor of a milo hroad, and is protty high lend.

WITLESS BAY oxtends inwards about 2 miles from Gull Ialand, and aftorde e modorate depth of water, and good ground, but open to the sea.' About halfway np, on the nortb shore, there is a ledge of rooks, partly above water at about half-tide.
BAY OF BULLS-One mile and a quarter to the northward of Gull IIland is the south point of the entracice into the Bay of Bulla; from this point to the north point of the said bay, oalled Bull Head, the course is N.E. by. E., distance 17 miles. The beat anchorage in this bay for large vessels, is about half a mile from the hema, in about 14 fethoms wator, but emell vomell may anchor higher up, and moor to tho north shore, where they will lie land-locked. The only dangern in this harbour tre a small rook off Bread and Cheose Point, but not above twenty yarde off, and a rook, on Which are 9 feet water, lying of Margoty Cove, about half a cable's length tom the shore.

From Bulls Head to the south point of Petty (Potit) Harbour, from which a reef oxtends about is quarter of a mile, the oourse is N.E. aboint 81 miles. The nouth point of Petty Harbour is dittant from the north point $2 \frac{1}{2}$ miles; botween whioh is the bay ranning in 2 miles, gad having at the bottom of it a cove and fichory. About midway between the Bay 6 : Bulls and Little Baj is a cavera, having in opening at the zummit, through which the water spouts whenever the men rune high, thes preionting a pomarkable object visibie : oonsiderable distance off; it is hence called the 8pout.
CAPE SPEAR-Prom the north point of Petty Harbour to Oape Spear, the course is N.E., distance $9 t$ miles. This point is rather low and ragged; and peany be knowh by the levid to the northwaid trending away' to the N.W. Oape Spear is tho eacitern-
 the point to whioh rcesele, bound from the eastward for 8 EL . John'c, gonaraly tut, upop goting into soundings
The lighthouse on Cape-Spenr exhibits a powerfal revolving light, at 275 flet abote the loval of the mo, whioh in olear weather maij be seon at 8 leagaci one The If tht thow a brillinut fiagh at intarrale of ono minuto.

Thore are three bays between Oape Spoar and the entrance to SL. Jobn'a: 1, Oape Bay lying between Cape Spear and Black Head; 2, Doedman'n Bay between Black Hoad and Small Point; and, \& Freshwater Bay betwean Small Point and Fort Amberth.

From Fort Amberst, on the soluth head at the ontrance of Sl. John's Harbour, there is shown a brilliant fixed light, whioh, from its olevation, may be seen at a conaflarable distance.
engondris manaorn-The city of St, John's is the capital of the island, being the noat of government ; and although its approach is narrow, its harbour is excel. lont, and its situation readily known, both by the block-houee on Signal Hill, at the north aide, and Fort Amberst, on its south side, or point of entrance. "The ohannel, from point to point, is only about one-sixth of a mile wide; but it is wider just, within the pointa than between them, decreading again as you appronch the Chain Rook; for, from the latter to the Pancake Rook, the distance is only 96 fathoms; theoe rocke both being above wator and steep-to; Chain is the northern rook, and pithoake Rook lies on the sonth side of the ohannel. Three small knolle lie between these two rocks, with from 10 to 24 foel on theip.

In approeching the harbour of St. John's with a large whip; care must be taken to avoid the Vestat Rook, which lies about 60 fathoms off the southern, or Fort Amherm: Point; ovar thia rook are 18 foet waturt the marte for it are Fort Willinm, or the old garrison, just ppen of the south houd, and the outer Wagh.ball Rook, open to the esetward of the Cuokold's Head : these lettor rooks lio olose to the northern point of the "harbour, fad are always abovo Wray, being ateop-to, and therefore not dangerous. The course in is IN.W. by W., the shore oontinuing bold until you got near to the Paneake, then give the south side a small berth ;"continue the seme course, or rather more inclined to the westward, heeping Fort Amhorys Aag-ataff open to the northward of Frederiak' Batiory Magentaff; you will, by them moand, apoid the Preaeer, a rook on the port aide, runnivig off lio end of another rook, formed like a seddle, with 18 feet water in the hollow, inet only of feet on its outside; yot it it etcepto, having not lew than 5 fathome olose to it; to soon as jou are within, and havo paseed the Proseer Rook, jou may stent lip is jou pleace, both epores being eloar of dargers, and anohor in from 4 to 10 fithoms Whter, on a bottom of mud, and lying quitio land-loaked.
The winds from the 8 .W. to the conthwerd; esfar as N.E. by E., blow in, all other direations of the wind either baffe or blow out of the Narrowe; with the latter winds you munt warp in, for the convenionce of doing whioh ringes are fixed in the rocks on eeph side. The anohorage within the Narrows his from 10 to 16 fathoms, and in little before you ontar the Narrows there ine 20 fathoms.
The fides rive 6 , neepe $8 \frac{1}{1}$ feet, but very irregular, being muob inftoonoed by the winds ; and the variation is about twe points wenterly. It in high water, F. \& O., at abont 7 h .60 m .
The town of fit. John is composed of one long etreet, ranning neerly pheallel to thio ahors, and of fevoral shorter stroets or lanes which pranoh from the main atret at fight angles. Most of the houses are of wood, some are of brick, and othere of intone. The shore is entirely lined by wharres, whioh are moatly ocoupiod hy stagee for corimg fish. The eovernment hat a me wide wharf, which is open to the public. The population of the town fuetuater oxtremely with the menoon. thetithe height of the fabing the placo is erowded, bat many of its then inhabitants rofurn to Europe in the treding vecols. St. John's is built on a peningula, which Iprid Ballimore nariod the provinoe of Arclon. The entronce to the harbour is guerded by variowe batteriee, and formanly a chain was oxtanded from the Ohain. Rook (honoc its namen); to prosent the entranco of a boatile force:
A atranger to the oomet ohould be eareful not to mistako Kitts Vitty, a cmall pleoo, fit only for boate, lying ebout a milo to the northward of St Jphn's, for St. John's iteolf, is at a distance it hats the appearance of a good harbour. Ho will thersefore obverre, that at Kitty Vitty's south oide is a ronnd hill, shaped like a hayoook, standing mpon Cuokold's Head ; thilo 8L. John'o Herbour may be diatinguinhed by Fort Amherts, whioh appeare whito, and by the flag-staves on the hill; over the north point of entranee, which sufficiontly deinote the right entravee.
About a mile from Ovachold e Point in a small point or projection of tha land; and \& miles farther is Suger-Louf Point, taporing upward, and muoh rewmbling s magnt

## FROM CAPE ET. FRANOIS TO BOCALIEI

 en Black and Fort at a con-und, being ris excel ill, at the ohaniel, vider just the Chain fathoms; rook, and between teken to Amherat or the old on to the m point afore not 1 you got the gime itaff open ns, aroid red like a ift steopand have elear of nd lying all othor ar winds rocks on d ilittlo

## FROM CAPE ST. FRANCIS TO BOOALIEU ISLAND.

Cower iryomyant From Cape 8t. Francia, the southern point of Conopption Bay, to Booaliou ICland, the northern boundary of the entrance, the course and distanco is N.N.E. 1 E. about 18 miles. This bey is very oxtonaive, running to the couth-westward, and contains many amaller baya and inlote, of whioh wo proceed to give a more minute denoription.

BELLLE IBLE.-Four loagues 8.W. by W. from Capo 8L. Franois is a lofty ialand named Bolle Islo, whioh is 63 milec in longth, and about 2 miles wide. Its eactorn side is nearly 8 miles off the main, and there is on this cide a beach, to the nouthward of which is good anohorage in 30 fathome, andy ground: a loague farther, nuar the south part of the island, is aleo tolorable anehorage in from 16 to 80 fithome. At the south end of the inland is a emall cove, named lance Oove, where fishing receole occmionally resort, and and good sheltor for $b$ or 6 veccels. One mile from fie ecouth part of the island lice a rook, over whioh are 8 fathoms wator. Two mitos to the touthward of Lance Cove is a small, low ialand, named Little Bollo Iale, having to the W.8.W. of it, dietant 11 miles, Kolly's Icland, of middling height, and aboat threoquarters of a riile in leagth. On the main, within Bolle INo, io Portugal Oore, in which there is no mefo anohonage. Bromd Oove lice to the southwand of Portugal Cove, and at the bottom of tho bay is inolyrood Hariour, which ruvs fa about ap miles, and where, in ec eove on the weot aldo neur the head, in very good anchorage in 10 or 18 fethoms watter, and suffloient room to moor:
At $1 \frac{1}{2}$ milos dintant from Holyrood Harbour is Herbour Misin, about half a milo wida ind 1 miles doep, having anohorage near the head in' 7 to 10 fothomes water, but it it entirely open.

GALMON OOVE.-Salmon Oove lies abont a milo to the wentwand of Harbour

[^4]Main. The ontravee to it is about a mile wide, and runs to the W.S.W. about 财 milen, then dividing into two arms, one running to the weatward one mille nearly, and the other to the soothward 11 miles. In. dither of these arms there it very good arohoragboy tht the best is in the southern arm in from 6 to 10 flthoms water, there boing no dopger in going into it. Tp sail into the western arm, heep a rock abova Wetor off the poiot on the port hand, going in, well on board, in order to avold a ounten tod there Hy ryarage on oither aide of this rock; but the southern is by far the wideet.

About a league to the weatward of Sulmon Cove lies Collier's Bay, whioh rune in nearly 2. leaguen. Abeut $1 \frac{1}{3}$ milee from the entrince tbere is a cunken'Tock near mid-ohannel, on either oide of which is a safe pastage up the hay ; this rook shows at three-quarters ebb. At 21 friles from the entrance, on the east side, is ainohorage in aboot 10 fathoms water bofore a cove: amall vessels may haul into the cove, and lie in 8 or 4 fathoms water, and moor to the shores. About $1+$ milee higher up, on the came side, is another cove, but there is no anchorage in it, being shool ap, fonll of aunken rocki. Near the head of the bay ie very good anohorage in 9 or 10 fathoms water.

About 2 miles to the northward of Collier's Bay is situated Brigus Bay, which rune in from Brigue Heed 11 miloo; in it is anchorage in 10 or 15 fathoms water, but it is entiroly open. At the head of the bay, on the south wide, is an lidand; within which veacele may anohor in 8 or 4 fathome water, but must moor to the shores, where they will be secure from all winds.
PORTGRAVE BAY lies to the northward of Brigun, and has within it Sheopis or Ship Cove, and Cupid Cove; the latter lioé'on' the south eide of Portgrave Bay, ar has in it good anchorage in 6 or 6 fathome wator, with room for 2 or 8 ehipe to lie at their anchore, almont land-looked. Ite north, side io wo;hoh that shipalio alongside is remarkably high, and thenoo called Speotaolo Head.

Sheop's' or Ship Cove has within it 4 and 5 fathome water, and will acoommodate mall veseols mooring hoad and atorn, having their 8 .W. anchor in 28 fathoma, about $1+$ oablo's length from the thip.

Portgrave is, about three-quagiors of a mile to the wentward of 'Sheop's Covo. Withln the jBlaude the water in shallow and fit only for boats; but about one-third of a milo without them is anchorage in 20 to 25 fathoms wator, but quite exponed to couth-eacterly winds:

From Burnt Head, the south point of Portgrave Bay, to Bay Robert's Point, the southern point of tho entrance to Robert'a Bay, the bearing and diatance are N.E. $\frac{1}{2}$ N. 2it milea. About one mile to the couthward of Bey Robert's Point is Blow-medown Head, remarkable by being higher than the land near it: between Bay Robert's Point and Blow-mo-down Head is a small cove called Hibb Holo. - In Bay Robert thore is no invieible danger at its entrance. In mailing in you may borrom on either aide, or go aloee to an inland, of moderato haight, which lies about a. mile from the ontrance on the atarboard sido; and having pased the inland you may run on about a mile, and lio land-locked ing and 10 faihoma. Between the inaland and the maip rescele may anchor, but the ground fs bad, and there are two munken rooke within ith one lying near the innor mide of the inland, and the othor above the inland near the main. Two mile above the ipland on the same aide is the noyth-went arm; in whioh if exoelleut anchorage in 6 or 6 fathoms wator, on a muddy bottom, but it is neceseary in sail g in to give the south points good borth, in orider to aroid some eunken rooke lying off it. On the mtarboand shore it.ie shonk: also, nearly half a eablo'e longth off.
Spaniard's Bay if eoparated from Bay Robort by a narrow nook of land. It is about one mile wide and four milen doep, having anchorege near its head in 7 or 8 fethome water, but'open to N.E. winds.

From Spaniarde. Bay to Harbour Grace Tlands, the bearing and distanoe aro N.E. about 2 leagues. These islande lie off the aouth point of the ontranol of Herbour Grace. No veasel ahould attempt a paciage between them, and the mining, tis the gromd it foul and shoal, and there are rocke sbout the iblets. On one of these Incuds thare it a lighthouse, whioh whowe a fixed light from the top of a square wooden building. Bryent' Cove, to the eouthrard of Harbour "Grace, is not a plice for slaipe, although a good place for fieh. 4 rock lies in tho middle of the

Booellou INland is high lend, and in aoarly of mileo in length avd/1 broed, and liee about the lattor distance from the main. Nearly midray botwepe it weth potat and Split Point there is a small rook, on whioh are ofechome whitr, mit on whiah the sea breake very high in blowing weathor, but the watey is depy round in
About it miloes to the northward of Eplit Point is Point Grale ; attor rounding
whioh jou will open Trinity Bay.

## FROM BOOALIEU IBLAND TO OAPE BONAYIBTA.

 the 8.E. and Trinity Harbour on the N.W., ia, upon an avarage' 6 leagues in breedth, and about 17 loagues in depth. The eouth-entorn, point of the bay is named Point Gratos; the next point to the north-meatward. is Brock-hpart Points between whioh there is a smali bay where boati may'lie with of-shore yindid) at within the bay thare is a ledge of rooks, whioh, howevor; ohow abovio more,
 it and sloerwiak, the 'oonat fallo in a pretty doop 'bay, winding 8.S.E. thiroe-quartore
of a mille.

OLD PERLIIOAN-8herwick Point, off which fore rook above wator, forma the northorn point of Old Porlioan; roccole cannot go botwoen the iastaud and point, althoung the pasage appears good and open, beoavee the ground it altogether foul havo pioped it, and bour at the ground in bad for holding.
The bourse from Old Perlioms to Balrage Point is W. $\frac{5}{4}$ N. diatast 5 milea. Salvage Point is low, and requires a good berth, having it roof of rooks running out om it yourly a mile.
The oqures from Balvage Poinfy in unt's Head is W. by S., a diatance of about of miles; apd to the ceatward of 5 hioed, at a mile distant, is Hunt's Herbour, whioh in fit for small craft only. Hont's Harbour Rock. ovar whioh the woin generally breake, lipe 2 miles off Hunts. Harbour, and you may olear it to the northmard by bringing Finge Hoed open of tho Sugar Loaf. At two mil6i farthor is Kinge Hoed. 8 and from King's Head to the Sugar Loaf the course and distance is S.W. A-W. about Silleo Onvo lies onctward of the Sugar Loaf, and in fit only for boats.
NEW RERLIOAN. - The courri and difitance from tho Sugar Loif to the north point of thp entrance of Now Porlioan, 'Are S.W. $\frac{1}{}$ W., 8 miles ; and a mile farther is the harbour, whioh is amall, but tolerably good, and where yon many lie land-looked in b, $6,7,7,8$, , or 10 fathoms. The shores are bold.tos; and free from dangor; tho ontranop is nearly 2 miles wide, boing bounded by Smutty Noee Point on the anct, and Goriob Point on the wost, but as you edvanoe the harbour beoomen narcower, eo
 with exoellolat anchorage toward, north ehoro, in $y^{\prime}$, One league sarther in Heart's Doatra, fit for boation only; Heart'in Delifht, another cove, adapted for amall orat ony.
From Heedtin Dolight, about 8 miles, in Long Point projeoting congiderably into tho bey, and s leaguo farther is Witleas Bay; by no meani a plece of sefity, beling too if imenh oxpowad end the bottom rooky; between Long Point apd Witlem Bay arp two


[^5]
## FROM BOZQLISU IELAND TO OAPN BONA将 BTA

8 to 18 futhomes Doag Dove in sitanted about 8 miles to the therthwand, runniag nearly in the mame direotion to Ohapplo Bayi 6 millen farthor is the Point of Triollo Harbour Bay, which ruat inward, in a month-weotorly direotion, full 8 miles : thiser is no dangor in the way, ead, though little frequented, the kioliorage is cello.

THE BAY OF BULLS runa in a N.N.-Weaterly direetion to within; milee of Ohanoe Biver, in Plecentia Bay. There is very food anohorajo in varioue paite of this bay, in 12 and 10 fachoms wator, partionlarly on the wioctorn adde, in a covo, about if milee from the optragoe, wich from 10 to 10 fathome, enndy ground $\mathrm{To}_{0}$ the N.E. is Buli Island, and s miles furthor Oopper Inland: both thowe fie very near the shore. To' the nerthward of the Bay of Bulle, is: altuated Deor Harbour.
Deor Harbour is an extonilvo place, with good anohorage, bot barred with many shoels, the firat of whioh liee midwing betwean Tioldo Point and Doer Island, having 0 fathomin on ite ghalloweet part, and therofore is not dangerous; but bne-third of a mile farther in in a bank, with only 2 and 81 fathoins wetor; bring the point of tho N.E. cove opon of Shallop Oove Point, and you will go olear to the moetward in $\gamma$ facthome water. There is aleo another shoel lying off the point on the outcide of Shallop Cove, on whioh are 21 fathoms, whioh will be sivided by just opening the point of Deer Isiand with the first point on the main, withix- Deer Island; and lator you hare paceed Harbour Itsond, yon may saohor oh good ground, in from 10 to 86 Iathonit, W. The entrance of Deer Harbour beare from tha norttr point of Booaliou Island, W. 1 B, 'dictant about 18 leaguea.
Abont $8 \frac{1}{2}$ milee N.E. from the ontrance to Deer Harbouri is Jonee Harboar, the entrance of whioh is not above a quartar of a mile wide, and the ohannol in is, is coveral parte, ctill leas: it runs in 2 or 8 milles, and has good anohorage in from of to 24 fathomes vator. To the southmard is a high and etcop island, pellod Jone日 Island; about 4 atilée fromi whioh ia Bald Hoad; sad 2 milee farther is Ginuy Oovo, having Ite entranon oonfaed, bolag not more than a quartor of a mile wide, but thore is, novartholeng, good riding within it in 10, 12, and 10 fethoms. ' About a cablo'o longth off the north ehore, juet at the entrance, liee a aunken reok, and aboat a mill B.8.E. from the sequth point of Long Ialand, is another rook, by some oelled Whita Iclaud, juet appearing above water ; Hhis reot bears 8.W. from Eandow \&outh Heed.
Raodom North Head lles W: by N., ditatant of leagues, fitim the north end of Boonliou Inland, and about 41 leaguee N. by W. from Now forlionn.
 harbours; thus Random and. Smith's Sounde nnite and form Random INade, the ohanacin being narrow, long, and oirsuitona.. At the junotion of the two sounde is a amall island, with, biur clmont dry at low watar, the pamago boing not a mile
In Random Sound' about a loaguee from Riandom North Hoad lies Hickmen'r Harbour, whers you will find good anchorags in 10 fathoma. Fandom North Head bears from Ravilom South Head N.E. E. E., Niatince 8 milee. When you are within the entrance of Rendom Sound there is is branoh whidh runs towarils the sonth-weet, nemed the 8.W. Arm, about a milo within whioh is Fox Cove, fit for beati, and ${ }^{8}$ mividing finto tittio Heart's Eaco, a aimilar eove runaing in a quartor of a mifo, thon dividing into two branobes; tho wettern ane has 4 and 5 fathomes whin ty but the castern branoh is stallow aud only adapted for boats. There is aloo ancharaze 2 mile farthor, on the came sillo, in a cove with an inland boforn it, with 8 fathoms,

 until you got noar the hoad. Shut in Harbour is on the otarboard side, meaily at tha,
 Popo's Harbour, whioh aleo is enoumbered with rock, beaidet a shoell lying prar ine entilb of it. The direotion of the ehanaol is weatival about ry logive. To the
 dintance firm the main; the latter is high and may be moom to fat es Trinity Kine-
 Bonsventure Hoad beare from the entranoe of Bmithis Sound E. fy N., dintent 5 nilloe. To the nerth-wouward of Green Inland is Anthoay Island- and Inciperlil Byo; the lattor in 84 milen in. lanth, and lies in a S.W. and N. E. direction, tanchers tho

.



* bein from Bonntratur: Hond nearly B.W., distant-01 miles; about midites between then is another inall istand nismed Raggod Island.
 if fommed by emar Ialand bearing from Green Island W. $\frac{1}{2}$ N., distant 4 miles, The pascage. to, it is round the weat ond of the point, off whioh are some scattered roga, bout a quarter of and under vator. Within this harbour are 8 fathoms Fater, and wedt and one mile, and from Byderi Island the N.W. arm Branches off, running and good anohorage. From B abotht quarter of a mile wide; here are. fathom Whon you are mile off, and to the eouthward of the head, the be miles, but Admiral's Stage will lie about N. by W. .outhward of the head, the barbour to the IORT BONAVENTURE N. by W. two small islands but you may The best entrince to Port Bonaventure is between with leading wind there will bo on either side of them in 8 and 4 fathoms water; paseed these islands, anchor in 4 and 5 fedanger, and when you are within, and have heavy sea; there is, however, a secure place for boutherly winds here send in a very Admiral's Stage; appearing like a great poind for boats within a point behind the weather, in sarety.

From Bocalieu North Point fo Bonaventrere. Heed the coureo
N.W. \& W. 22t miles. Bonsiventure Head is re Head, the course and distance are TBINITY HARBOUR.-From Boad is remarkably high and gtoep. Harbour, the course and distance are N.E. \& N. 48 milas, and fram'Bon Trinity
 Trinity Harbour is considered on 8 miles. fonndland, haviug several arms and coves, beat and largest harbours in all Newlocked. It is a plice where you may:sal where tome hundred ships may ride landside, and having no danger but met infoly turn in or ont, beiag boldito on eeoh arm, whete the Admiral's Stige nsually is the ; except when going into the S.W. whioh shoots off from the point within the, there is a shoil, called the Muiole Bamk, extends over N.N.W. about a third of the small island on theport side going in, and bank, which will discover itself by the celour of the that arm. Being within that to the south shore, or keep, your lead going to she water, you may edge over olose little diatance. In order to avoid it, the thark is, or wat, the house, Bank, giviug it a steop parpendioular rock, situated bote thark is, or wat, the house, standing over the the Neddick; keep thia mark on, until you are half-way over to the Nove, open of Inal-towards the G.W. hranoh, taling omre to avoid the otrer to the Neddick, then Taternor's Point with the Neddiok; rou 'rill then the south shore, till you shut in You mas anchor in from 14 to 10 fathoms and 80 within the Muscle Bank. shere, $t 0$ at to make astage with topmasta to your approach near to the stage on Jour ship. This will be found moit oxcollont atage on shore, to load or unload 8.W. arm, you will percoive another branch ent harbour; for, after you are in the tinned by another to the 8.W. but then running up to the N.W., which is oon8.W. arm.

Beside the before-mentioned place, having. 800 d anchorage for 600 tail of ahips. Ghips, being within the arms, the main harbour turne up to the north. etarboerd or eant aide, land-looked, mouth, mes mafely. ride in a large covo on the egraint that cove; on the west tide, are good ground: hore the planters live. Over named the Vice-Acimiral's Core, and is ourer coves, the nouthernmont of which is of to the northivand of that is ind is very convenient for curing fish; and above, reoth onough for 800 or 400 eail ofge cove, or arm, alled Gots' Cove, whare there is winds, ten, nor tide cen hurt: you, and in ride, all on olear ground; there, neither the weather becomes olear and open. and in thia place thips may lie unozposed until Thore are evveral other anohoring Tho bottom overy whare is tough ole pleces in this harbour with good clean groond. latith of the shore; andio, 8,9 clay, with 4 and 5 fathome water, within two boato' in the raidlle of. the arme apd ohenn, 12, and 14 fathoms, and in some placee moro, your tide, whioh riso abotit $\&$ foet, and wo mon may turn in or ont readily, observing Bobinhood's Bay is formed on the touth-wedt sid catrance is s mile wide, and the bay eztonds northward net Bherwiok Head. The arquently side. and figh in from 7 to 17 fathome water. At the further orvpineeale
of this bay thers are come apots of thallow water, but at its entrance, and between Sherwick and Fox Island Points, there is no datiger whatever.
8namen. Oove and Englioh Harbour lie to the eastward of Robinhood's Bay, being only divided from it by a narrow neok of land, called Fox's Ialand. The former of theee rans in northerly; and is considered a good fishing place, at it is clear of dangore, and has a good dopth of water, from 17 to 10 and 8 fathome ; the eastern shore it bold-to, and at the further end of the cove there is a small run of water, which oxtends about 2 milee to the northward.
English Harbour is situated at the south-eastern ontrance of Salmon Cove. It is $a$ olean bay, where jou may ride in 4 and 5 fachoms water. From hence the coast rounds to the esstivard to the Horse-Chops, a diatance of more than 8 miles, and is all high land, ateep-to, and without danger. To the north-eastward of the HorseChops is Green Bay, open and entirely exposed to the southward, and having at the eastern part of it a emall sandy beach with a rivulet of water: this place is little froquented, and is noither convenient for ships to. fish or ride in. When you have passed this bay, there is no sheltering cove or place until you reach Ragged and Cataling Harbours.

Ragged Harbour is co named from the rough and craggy-appearance of the surrounding rocke, whioh render it uneafo for either boats or shipe to enter; but for those who intend going thore, wo will obeerve, that they muat go to the northward of the reef of rooks at its ontrance, running on. North, until the harbour camee quite open, then you steer in between the Bound Isfand near the main, and a large bleck rook, being the outernost of the ragged onee before mentioned; sail on until you are to the weetward of them all, or until you get the couth head of Catalina to appear between the weoternmoet rock and the main, when' you may anchor. A river of good water is at the heed of the harbour.
CATALINA HABBOUR is nearly 2 miles to the northward of Ragged Harbour. It is a good harbour for small veseola, and may be known by a singolar green faland at the equth point of ite eatrance; nearly hall a milo to the north of whioh are tha Brandy Roaks, a ledge ores, which the sea froquontly breaka; you may go on either side of these rocke, givitg the little island a borth, or with a leading wind betweon the ieland and the main, though this pasage is oxceodingly narrow, in in and 5 fathoms. Juat within the entrance of the Harbour is Charlton Rock or Shoal, lying nearly midchannel, over which are only 8 feet water; you must avoid bringing the north point of Green Island on with Burnt Hoed, the south point of the harbour, for that will carry yon right upon the nock. There is a pasage between the inland and the rock, and aleo betreen the rock and the north shore, only atcering nearer the main about two thirde over.
LITTLE CATALINA BAY, liee inwards on the soathern aido. From Catalina Herbour to Littlo Oatalina the course is about N.E. $1 \frac{1}{2}$ mileas and thence to the north head of the bay, E.N.E. a little easterly, it milem. When within the harbour you may anohor olose to the shore in 4 and $\bar{f}$ fichome, land-locked; or to the eouthWrad of the little green inland in $8 \frac{1}{5}$ fathomes, or by running up 2 milos farther obtain froeh water. In the 8.W. apm or branoh of the river, where there is anchorage in 5 fachome, the berbour rune westerly. Sometimes the wator in thie herboar will sud. domly rice 8 or $\leq$ feet, then fall again, and in certain semsons it will ofton do mo two or three times in 8 or 4 hours, It abounde with salmon, and the herb Alamander grows luxuriantly oq the little ialand. Near a small cove at the N.W., is a sort of pinoral, of a glittoring nature, generally called Fire-atone. Excollent willicke may be found on the rooke.
The course from the south to the north houd of Oataline is N.E. $\frac{+}{4}$ E., 61 miloo, and botween thom from 18 to 5 .fthome water may be fonnd. The whole way is Prom theoken ground, over whioh; in blowing weather, the cea breaks very high. 21 milles; and the mode of Catalina to Mower Point, this course is N.N.E. 1 E., diatant so betrien Flower Point and them of the point lis come aunken rooks. You may vimble to pnat oa the outeride of them; this mix fathome viater, bat it is more ado Ieland opea of Epiller' Point of by tem; this you will racily do by bringing Gull north hind

BIRD IgIAND - Erom-Flow Potut to Bird IGand is 2 milea Within Bind

towards the wost, and in the other, amidet
Island Bay extends so far as Cape L'Argent. From Flowor Point to Cape Lirgent.
having also a large rook above wator lying off it miles; it is rather a low rooky point, From Oape L'Argent to Spilleror lying off it. lead falls into very doep water. Spillerint is $1 \frac{1}{4}$ miles; between these two points the with a rock above water near it; over the poist iseop and bold-to, but not very high, Port Bonavista a groat way off at sea. He point, you may dipoern the high land of
From-Spiller's Point to Cape Boan bay between, whioh might be mistakista for the oourse is N. 24 miles; there is a deep of whioh it is only divided by a neok of land harbour of Bonavista, from the hoed it is not above a musket-shot.

## FROM CAPE BONAVISTA TO CAPE FREELS.

## oapm mos

appears at a distanoe of a bluigh or tiky colour ; it is., and long. $63^{\circ} 5^{\prime} 30^{\prime \prime} \mathrm{W}$., and or why colour; it is a stoep rooky point, having 4 A revolving light, showing a red and white light altornately, is situated on $\mathrm{O}_{\text {ap }}$ Bonavista. It is olerated 150 foet above the level of the sea, and, kopt open of Spilli, , Point, will reep rescels clear of the Flower Rooks. though amall, may easily be reoognized, extremity of the cape lies Gull Island fhight molddie, and makes something like a sound hat of moderate beight and elevated in'the or 5 leagues off, when the weather is clear. N.N Froad green brime; it is visible 4 Island, it the Old Harry Rook, of only 18 feet wator, from., distint it miles from Gull 8 or 4 fathome; 8 miles, having eaveral dangerous opots ppon itoof or bank extends northern extromity ere outor edge of this danger is nepos upon it, of only 18 feot and the Young Harry and the mioms water, and a little farthar the Yoang Harry; at ito the north ward of the middle groe ground of 18 feot, are 12, 20 , fathoma. Between 20 fathoms ; to the southmard ground are 60 and 40 fathoms; to and 60 fathoms; to At the riorth part of the Old , and between it and the Old Hart 28 eastwand 10 and the S.W. 9 fathoms; and fiturry are 11 fathoms; to the wret, 26 and 81 fathoms. ceaught by the boents whad a little farther S.W. or fethe the westirand so fathoms; to The nea commonl' breaks frequent this bank, but it is very denundanice of fish are very smooth, but the other parts of thearry, unlens in fine weather and fhe shipping. aftor, heary gales on the shores of the shoal show themselves only ind the water be In erder to aviold the old He, only in, or immediately Bidge, whioh lies oonsiderably ingend, Gull Iand should be brought on with tbe Green will oarry you too olobe to tho Youms but you must be eautions, for this mark running along ehoro; to avoid thono rookg, marry: Oaptain Bullook says:-"Veasela open with the wetternmost extremity of a high range of ing Ireoping Oape Bonavistia Rooks elreads ; these dangere, togother with tho long led the nouthivard, oalled land heroebout in thiat rendor it vory imprudent: for ang leage, named the Flowor Bocalion is the boot and or boistorous reathoss indoed, matiner to atternpt making Bonevista Bay." south; and Cape Freele on the north. The bay is limited by Oape Bonovista on the aro N. Ef andis. \&. W., ar miles. The whole conet distinoo from one to the other thinova, and th, difficalt, atd dangerove. On tho south, then is tortaone or muoh inand from the oosit stoep and iron-bound; on the north ciand in high and mouruwith amall islande, and water is ahoal to a condidorable dititanco is iow and marrehy, counde and inlete, eve ate oncompaned with dangurs on every. The bay abounde are gonerally so dooply ep, extonaire, numerous, wall sholtery aida. The harboura, rounding land so similar in ejed, the pasages into thom so intriosto; an; but thoy unlowhy thoes who, from in appenranoe, that their navigetion intrioate, and the sura ebould it become necome Long experipnce, havi a perfiot krow is seldom attompted; ary, from trime of weatier. or other dircumbtenowent; yot
bovo iratar. Bird low rocky point, - two points the ut not very high, the high ladd of,
; there is a doep from the head Red Head Bay
$\delta^{\prime} 30^{n}$ W., and point, having 4
tuated on $\mathrm{O}_{\mathrm{ar}} \mathrm{y}$ pen of Spill 3
Island entighty elevated in the it is visible 4 ailea from Gull $r$ benk oxtonds nly 18 foet and Harry; at its ma. Between 0 fathoms ; to twand 19 and d 81 fathoms. fathoms; to oo fish are for shlpping. the water bo immodiatoly
th the Groen this mark :-" Veseold - Bonavistia ward, called the Flower pt making - Island of any part of
rists on the othe other much in. and moun ad marshy, Tabounds harbours; but thoy d the sur: utompted, rant; yet Great Ohanot Harbours, in the S.W. part of the bisy, or Now Harbour and Cat Cove on the N.W.; but the extreme narrowness of the entrance to New Harbour is a great impediment, and renders Cat Cove the more preferable.

$$
\begin{aligned}
& \text { FORT BONAVIBTA. From Cape Bonavista to Port Bonavista the coure is to the }
\end{aligned}
$$ somith-inetward about st miles. Voseele stearing for this port may pass between Gull Island and the otpe, or betreen Gull Island and the Old Harry Rook, or to the northward of the Young Herry altogether. The passage between Gull Island and Bonarista is abont thrie-quarters of a mile wide, and both the eape and islend are steep-to, having 4 fathomg olase to each eide, and 16 or 18 fathompemid-ohancel; but it will bo sidvisable not to go too near Gull Ialana, on mocount of in rook under water, which liese about 300 yards off the south-eastefn part of the island. When you bave passod through this channel, and find yourself.to the weatward of the cape, you will see Green Island, distant about half a mile from the cape. Large vessels commonly leave Green Stone Isiands where the ohenvel is fully to Port Bouavista, going between Green and water in it, and no dangor excopt as sunten miles wide, and with 12,16 , and 18 fathoms 200 yards to the north-eastward of Green Tock of 3 fathoms raters, which lies about 8tone Island, and run to the southward till thoy open the Harbonr of Bonavistard and are past Moses Point; and so to the sonthward of the rocks' called the Swerrys, whieh are high rocke, having no passage to the northward of them. Here you may anchor in from 10 to 8 fachoms, as you please, but you must always bave a good anchor in the S.W., and another fast in the Swerry, or in the N.W., for westerly winds blow directly into the romd.

Small vestele may go betwoen Green Island and the main, and so to Red Head; but the bay between the pointe (over against Green Island) and Hed Head, is all foul ground. About a milo to the south-eastward of Green Island is a reef named the Red Rocke, lying off Red Cove. You maygo between thel and the land into. Red Cove, all there are 6 fathoms watpr, and in the cove 4 , 4 , and 8 fathoms, but the ground is and Weatarn Hoed, in تheage also to the southward of these rooks, and between them little to the enetward of Weatern fachoma. There is a small rook under water, a ehore, and the men commonly breake Hend, which lies about a cable's length from the To the sonthward is Red Hoed, or Point it, but boats oan go botween it and the shore. large bay or cove, named Bayley's Cove, and harthor on is mones Point; betweon is a vanoing too far in, as ull ite shore is roeky and shoul may anehor on occusion, notrudBonaviste Herbour is an anohorage of little coneid oligible situation for earrying on the firery conaidaration, farther than belng an N.W. galem, immediately following a continuance of he very badly sheltered that, in wator breaks right athwart the harbour, and come of heary wind from coawned, the foundor at thoir anohore, and not unfrequd sometimee the whole of the fighing-boats however, vemele, during the summar monethe many of their stages are dontroyed : fathomit bnt even thore, as in every other pait of under Sworry Head, in 8 or 10 in BLAOK HEAD BAY in situated 5 miles W.S.W. 18 . from Oape Bonarista, and Southern Head is 11 milee W. $\frac{1}{2}$ N. from Oape Bonaviata Southern Head and Black Head form tho two extremition of Bleok Head Bay, and bour from ewoh other E.S.E. \& \&, apd W.N.W. $\frac{1}{3}$ Ne, at a diatance of abont 7 milea On the 8.W. aide of this bey, at abput 81 mjles to tho southward of Southern Head, is the fishing-eetablishment at King' Cove; bat thit is svon a leas desirable , place of ahelter than Bonaviotes, eo it lies direody opon to somward, and hes a foul bottom. Erom Southarn Head to W ototn Heed the distanieo is 81 milec, the coast betweon forming Ave eoven, at the mocond of whioh, Keele, in a fiohing village; but neither this nor aby of the other coves nue At places for venpole of burthen.
bertom Weatorn Head the land bends W.S.W. \& 8, and loeda to numerous ooves, beya, and armas of the coay mont of whioh have deop wator and placee of anohorage. Wo chall hroe caumarate thb prinolpel of shees, with their reppeotive wituations; but, opr dirsotions to a minuts or chy embayed for goperal navigation, wo whall not oxtond to moh only aseme altuat or partioular decoription of them all, but confine outalyen-


Plate Oove is situated on' the const about \%t miles entranoe, botween Arrow Point and Plete 0 t miles distant from Weatorn Head; the from whence it bends in more thanis mile tove Head; is three:quarters of a mile wide, is a run of fresh water, but thit bottom is foul outhward. At its eastern extromity frequented.
and rocky; it is therefore not muoh a narrow inlet running in we. by W. from Piato Cove Head, dietant 8 fresh water. $\quad \mathrm{g}$ in nearly 8 .W. abont 2 milen, and terminatee in miles; it if Sonthward Bay is esperated from is an extensive branch of the sean Indian Arm only by marrow neek of land, and bour Head, is fully a mile wide, with $80,50,80$ and from hence it bonds to the south-westrand and 90 fathoms water in mid-channel: advance, but with deep water and no danger. On miles, becoming narrower as you

Vessels intending to thich lies about 2 miles from Kato Hern side there is an opening Rock, danger of 8 to ssek eithor of these places, nuat brour Head. Head, Ind direotl only 18 feet water, whioh liew W. A Nust beware of the Becon-bone ohut in Southern Heed fairway of the navigution. .is atant a mile from Weatern
Kate Harbour lies to until Little Denior comes on with the outhis diavger, do not mile wide, and the he the westwardof Plate Cove; ite entrince is Shag Island. and 27 fathoms in marbour runs in abont 14 miles, eith entrance is three-quarters of a is a rock under water off innel, deoreasing as you adranoe to the of wator of $\mathbf{3 6} \mathbf{2 9}$, nearer to Kato's Head tit gntrance with 7, 8, and 9 fathome farther ond. Thers channel on the weend, but there is a parsage becween thems round it, whioh lies

Sreet Bay is another side of the rook. ontrance to whioh is betwean oxive inlet, lying to the weetwand of Ka loads to Maidenhuir Coreen Cutler's Head and Chanco' Poine of Kate Harbour, the easternmost inlet. Having end Littlo and Great Chance Harboure whioh entranco also steep-to, you will see Turfoentered it, and paseod Outler's Heed, 8weot Bay is the half a milo to the south rurpook Inland, which is small and need, whioh it rooly and rook under wator; there iest of it an island named Woody Ielarrow, and hay at about Woody Island, the bay becomatsage on oither.aide of these, and and betweon them a water midway ; advancing cill foout threo-quertors of a milo wide, with 60 fathond sage ; there is also a roik etill further you will observe severel to, with 00 fathoms boyond Woody Island; it lien er water on' your atarboand side thres iande in your peton is Wolf Is land, between whichast of a little island which is in mid quarters of a milo berry Island, betwreen which and What the main thoro is no paseace; offannel; farthor channel is narrow, and that and Wolf Island thore are 80 . fith; off this hien GoopeSweet Bay here divides into ton eactern wide of Goowbery Iathome witer, but the arm, and has direotly boforo two branches; that to the enerry Ialand is much widor. of which has 10, 12; and 14 fis entrance. Hunts Island, the ord is named the 8.W. you will then see on your stathome wator, and that to the monannel to the eastyard and, havipg done so, will drboand side a mall island, and can pard 7 and 9 fathome: arm is foul and rock; will drop into 24; 22, and 20 frathome can pase it on eithor sido, Hunt's Island, and at the N:W. arm is divided from the Water; the head of the Whence it runs south-westorly dangers; at the bottom is iorly 84 miles, with a good depth oarly a mile wido, from

The ontrance of Great a sandy beach and is mall rivulet of water, and olear of milee W. + S. from Wreat Chaince Harbour, which is an arceite
the Bacon-bone Rock, estorn Head. The pamage to it is exceilent anohorage, liey 91 not to shut in Southern Heady montioned. In miling for this with the exception of outer Sharg Ialand. Thue th nutil the inlo named Littlo Denior the tafent way is, for the harbour W. Ty ithe Beoon-bone Rook will be aventer comes on with the guard against a sunken so, until you got abreast of Chance Poid, and you may steor water over it. Within the at the sonthern part of the ontrencht. Yon must now Mustard-bowls ; in onin this roek, and in a line with it, entrance, with only ofect of Mustard-bowl with thape to avoid the rock, bo carrful not two inleto mamed the in, approwehing the ehore on , but, having pained the lettor to shut in the woutern above the narrown in from 11 to 5 aide as you plematryind you you may ettand bolily gronad: Wood aind from 11 to 6 fachoine, perfectly land you mas anohor anywhore

Off Ohance Point (the outer emolly be proearod here.

Weistorn Head; tha rters of a mile wide, to eastorn extromity therefore not muoh

## retant 8 miles; it in

 natem in a rivulet of neck of land, and d and Kato's Haror in mid-ohannel: narrower as you hore is an opening Tend.t the Broon-bone nile from Weatorn is dangor, da not Shag Itland. bree-quartors of a wator of 88,20 , ther ond. There nd it, whioh lies also a atill vider

He. Harbour, the h entrinco also Swote Bay is the ioh in rooky and ad had at about betweor thena jou get doyond ith 60 fathoms is in your pas. artons of a mille nnnnol; farthor thit lien Goopemiter, but the 1 muoh widor. mod the S.W. the eastward ado fathome: m eitbor side, head of the littlo below - wido, from
and olear of
rage, lien 01 oxcoption of afent way is, on with the a may steer manet now Iy 0 fact of pamed tho the matern tard boldly anyohere a holding.
tween the southern part of Long Islands, there is a spot of ground with 7 fathoms ${ }_{i}$ over which the era breaks in very heary gales, but it is not dangorous in fine wouthert ${ }^{\prime}$

At the dietance of almout a mile, N.E. a little northerly, is the Ohance Gull Rock; steop-to, and almost visible. To the weatward is Deer Island, $1+$ miles long, but nar: row, between which and the main there is a good ohannel to Ohandler's Heach.

- Chandler's Roach is the ohannel leading to Gooee Bay and Olode Sound; the course through it is W. $-\frac{1}{\text { S }}$., which, from the N.W. point of Deer Island, will take you to Conneeting Point, the point of the peninsula that dividee the former from the lattor.
Göoue Bay rane in eonth-westorly, about 91 miles, and by keoping in mid-ohannel you will meot with no danger, bnt heve 47, 40, and 36 fathoms water; until, having peoped Lubber's Hole, the depth deoreases to $12,18,10$, and 8 fithoms, when you will soe a small island, situated to the woetward of Goose Head; behind, and to the weatward of this, you may anchor in from 4 to 7 fathoms, or farther to the southward looked. Fresh water and of these inlets you will lie perfectly safo, and ontirely land-
Oloie Sound is a and wood are plentiful, and easily obtained.
miles ; it has many pleoes of very the sea, running in from Chandler's Remeh full 20 may find perfict mifety on the northerri ahore, at Brow is without danger. Veasele Cove, of Platter Cove; or on the sonthern shore, at Bunyan's and Love Coves; or, pesaing the Platter Rocks, and atcering westward, at Freshwater Cove. The midchinnal hais all the way deep water, and there are no rooks oxoept, as in. Goose Bay, near the shores.
Lion's Den is an opening lying to the N.W. of the entrance of Chandler's Reach. To entor it you must sail to the northward of the Deer.and Oluster Islands, and pass the narrows, whioh is abons one-thind of a mile wide, and has 24 fathome water in it ; having paeed the entrance about a mile, there is a sunken rook, round whioh are 6, 6 , and 6 fathoms ; you may then percoive the inlet to branch off into two diviaions: that to the N.W. is tory narrow, and has a rocks inlot at its entrance; but that Which runs to the S.W. is broeder, and has 11, 14, and 10 fathome witer in it $;$ it runs in from the munken rock about 1 1 miles, and at its farthor ond beoomes shoal, mairow, and rooky.
The Long Islandy are four in number, having narnow ohannels between them, some of which are enoumbered with rooke and consequently dangerous. The egtern island is the largeat and. broadeat, the next to it is the longeat; the two westorn ones are smaller and narrower; they form the northern boundary of the paesage from Western Head to Onandilers. Rowoh, and also the southern boundary to Swale Tiokle and Newman's Sound. Of the north-emtern point of the largest of the Long lelands lies ic ounken Holt, alowe to the land, and therdfore eavily avoided; this point bearn from Weatern Huad neardy W. by N. distant 6 milos.
NEWMAN's 8OUND is a large arm of the cea, ranning in W. by N., having at its entranoe 8wale Hhand, whioh is nearly 41 miles long, and not one broad in tho wident part 3 : thin divides the entrance into two ohannels; the southorn passage is callod the Bwale Tiokle, and the northern one goes by the general name of Mewman's Sound. To catil frome abrecat of the Weetorn Head into the Swalo Tiokla W.N.W. 1 W: To sail from abrenat of the Boneivista Gall Mtand, steor W.N.W. $\frac{n}{\text { a }}$
 in the foirway of the pamage; bw in edvanolipgethrough this channel there are coveral obetructionta and the peragee from thenco into Mewman's Bound are 80 narTow, that it will alwayinbe advisable to fe to the yorthward of the Great Swals Inland: you will have thg roundod the Gull Islanid; ateper W.N.W. 1 W. 28 or 84 miles; when your will have the ecurid opta, and ain procesd moordingly; ft is full $1 \frac{1}{4}$ milen wido. milis having neariy in a W. by 2 , dircotion from the N.E. point of Ewalo Island 11 8outh Brod Oove, Mivacin's of gool anohorage. Thowe on the mouthern shore are EOovih Bromd Oovisishin's Oove, and Btinnd ford Cove.
 ride woll tholterguen in 10 tyj The prasage this to the sonth-wentward, and you will the entronco, which you will louve on your port dangor. There is a pmall ialatid at TThere fila lon yarpor will loate on your port aide

fathoms, opposite a sandy beach. To tho reatward is Mount Standford, off the point of whioh lies a suall ighnd, reaohing halfrey over the pagage, making the channol in this part very narrgw. The best course through, is to the eastward of thim ialand. in 9 fathoms; her an opening appears to the ematrard, callod Buokia's Cove, fit for omall veasels: the pogat noiv winding to the weypward, forme a broed bay, with 20,26, and 27 fathoms water in it, free from any danger, and shallowing on ench side towarde. the shores. At the south-weotern, pirt of this if Standford Oove, having a mindy beach, the appromeh towards which shallowe graduyly.
Barrove Harbowr.-Little Denier İland lies off Hie entrance of Barrow Harbour, which lies eouth westward of it, and is salo and convenient. It is formed by three islanda, Riohard s, Goodwin's, and Keat's ; and the entrance is that part between The harbour is i mili, and is about 600 jards wide, and not vert difficult of socena. The harbour is a mile long: the lower part is socly, and not Welfaheltered, but the apper part is completely laud-locked, and has good holdind ground. The oourte to this plaoe from Gull Ieland, offl Cape Bonsvista, is N.W. by Wh I W. about 92 miles. In Barrow Harbour, will be S.W. $\mathcal{I}$ W., is mile the Eastern Goobseberry Bock towarde
 wack, and Ledge, the lattor being a shonl lying 8 . you will pare to aroid the Malone which is always above water. This shoal has never idest thit a mile from the rook, that, in fine weather, no damage whatever is to be apprehendel 4 fathoms over it, 50

On approsohing Little Denier, you must be carifl to andel three-quarters of a mile, E . $\frac{1}{\mathrm{~N}}$. from that island. It to aroid the Outer Rock, lying it; but as the: sea oonetantly breaks, it'ib easily guarded againd 6 foet olvator. on Denier and Richard's Islaind, there is also a range of rooks, calleid the Brandiehes, at distancee from each other, and extonding nearly half way over tom rio Little Denior, with from 14 to 17 feet upon them; botmeen are channole of 7 and \& frehomat. These make the northern channel preferable for ecrangors without a pilok, To min clear. of the Brandishes, jou must keep Wedge Point, (the projeetion within the barbour,) little open to the southíward of Smoly Ridge, (a rango of high land af the top: of the harbonr, nntil you bring Broom Head on with the middalo Shag Imand stho paeaggo is then without obstruotion till you near Wedge Point, off whioh, at go yands, liee a sunken rook, with 8 feet of wator; you may thon ecail up abreant Podnar Cove, until you are ontirely shnt in from the rea, and anohor in from 10 to 18 fatlomac 8ome veseols prefor anchoring in Garland's Cfook; but without running well ap, the ground is foul. There is a small fishing-ostablighment hore; good water may bo procured in Pudnere Cove, and abnndanoe of firewood. The land abont Barnow Harbour is higber than the neighbouring const, and may henoe be easily reeognized.
Sandy Cove, on the north side of Nowman'r 8ound, about if miles bejonl Barrow Harbour, has good anohorage. It will be readily known, having the onily maniy beach on this side of the soand; there is no danger in entaring it; and it is perfocky infe, the depth of water being from 10 to 20 fathomis. Botwoen this plice and farrow. Harbour lies the Halfowa Rook above wator, but if you keop ontsids, and paen to the southward of it- there in no danger, it being steop-to in 4 fachomas:
At a mile weotwaid from Sandy Oove, are Groat and Little Adventure Oovery two onug little places on the sames side of the sound, but whioh, from the nerrownyte of their ontrances, are sedapted only as a resort for amall veacile. Between theie. places lies a sunken ruck about 80 yande from the shova, with onky 4 feat of wat $r$ on it. Sydney I Iland lies off the entrance to Great Adventure Core; the Pesenge in in to the northward of this island, for betreen the iskad ard Harbour Hentheme no no Nor
North Broad Cove lies also on the piorthern aido of Nevpinn's Soond, and is a ponVenient well-sholtered anchorage; its entranoen mot be known byia high round fifand lging on the weet side of it, nemed Black Drok IMIand. On gailing in you muit peop the islend on board, until you make a tiokle os inlet, betwoin it and the weetava chors, in order to sivoid a munken roek at the eastormyide: Aftar whioh hoep ne olose nes possibie to the eastern shoye, at a dangerover roak lies nearly in mid-ohannel; taing incide of whish you many nnohot in from 10 to $\$ 5$ tithome, muddy bottom. $i$ Wooc and water may be procured here.

There are come darigerous, rooks lying off the northorn thore in divinoing farther

0
10
are
fat
Ne
Ne
she
nic
W.
poi
Dar
pax
mil
fat
1
the
off the point the ehannal f.thim ieland, Oove, fit for ${ }^{\prime}$ - with 20, 26, side tow and ring a mondy ow Harbour, nod by three nart betweon: ult of toocese. ored, but the nourto to this 2 milea. In iock towarde rejust above 1 the Malone omen the rook, wover it, 0

Rock, lying tof water on ween Little nadieheos, at ittlo Denior, mana Theso min doare of harbour, a top: of the the presango yarder, lies a Oove, antil mer somo the ground rooured in Harbour is ond Bartom ndis boenh ffody info, nd ßarrow penf to the
Corch, two rowner of ween theso $f$ matior on chere is in in (in) 3 no din in oomund ifland muist toop twa storb nol; ;hiag Wood and tog for mg further furtin of

- mile bejond Blaok Duok Island; and a milo farther on is the Hall's Rook. 'These roaks are under water, and distant about a cable's longth fromithe land; olose to them are 4 and 5 fathoms, and betiveen them and the shore there is a passage of 6 and 7 fathome; the noprthern sifiore, therefore, should always have a good berth in mailing up Nowmapis Sound, for by keeping jearly half a mile off, you will swoid them all.
SALVAGE BAY lies on the nortbern side/of the promontory, which divides it from Newman's Squand. Within it are several runs of fresh. water, but no plece of good shelter.
The little island named Ship Islend lies in latitude $48^{\circ} 45^{\prime}$, longitude $58^{\circ} 87^{\prime} 80^{\prime \prime}$, and at 8 leaguee N.W. I W. from Cape Bonavista; and Damnable Harbour lioe W. $\frac{1}{7}$ S. 51 milos from Ship Island. Ship Island may be knowi by a romarkable bald point like a sugar-loaf. The harbour is well adapted for smalt vestela, but its very narrow entranoe disqualife it for ships of burthen; there is a rook off the southern part of the entrance, and another off the northern side of the island, which lies in the middle of the harbour, : There is good anchorage all round the island, in 4 to $b$ fathoms, sandy bottom. Water mey be easily procured, but very little wood.
Between Dammable Harbour and Salvage Bay are several amall islande and rocks; the largest of these is named the Baker's Loaf, and is a narroy island, about threoquartors of a mile long.
In sailing from Gull Island; Bonavista, to Damnable Harbour, stear W.N.W. $\frac{3}{3}$ N., about 7 leagues, and round Shay Islands; proceed thenee to the northward of the Baker's Loaff, or stoer N.W. by W. from the Gull towards Ship Island, and then W. $\frac{1}{3}$ S. from Ship Ieland to the entrance of Damnable Harboun

Morris Cove is a safó anchorage, situatod on the north mide of the island bearing that name and lies to the northward of Demnable Harbour. In seiling for it keep Shlp Island well on board, on icoount of a dangeroua : reof which extonde from Fhat Islande nearly tro-thirds of the way towards Ship Island, on eome parts of whioh are not more than 17 or 18 feet. Proceed, therefore, to the northward of Ship Islend, pasaing at not more than half a mile distanco, and when you are well inside, aroid shutting in Lackington Rock with Varket lolati, (known by its forming two remarkable hummooks, as, there are several olusters of rocks between Ship aud the Horsochop Ielands. on the south eide. Steer for the Varket until you got abreast of Leckington Rook; then keep Leckington Rook on the northern oxtromity of Ship Ieland, nutil the Varket bears north, to olear: two sunkon rocks off the N.E. ond of Mprrie Island. You may then sail directly for the cove, whioh you ontar without fearing obatruidion, and anchor in any part of it, in 25 to $\delta$ fathoms ; but tbe weotern aide of the core is preferable. Wood is plentiful, but water is soarce in the eummer seasom.
Bay of Fair and-False may contain several good anohorages, but it is so flled with small ielande and rocks, that any description thet oould be given would be of tio wo to the marriner. A olustor of large ialands extendes off the frontage of this bay, fully 20 milea, or to far ass Offor Gooseberry Island, having between them innumorable passeges, with deop water. Therre is also a wide channel, running from Fair and Faleo: Bay, and Morris Island, to the northward, whioh leads to Bloody Bey, and thon turna weativard, and id divided into varions bramohee, forming tho N.W. arm, the middle arm; and the N.E. arm; this latter being a peauliariand oxtenaive ohinnel, funning in one direction, southwerd, almost to Nowman'e Stbund, and in another, almont to Dammablo Harboir; all these are navigable, and afford pleoos of good anoborgo, and plonty of both wood and watert as

Thore it also an open etrait from Bloody Bay to the eastward, through Bloody and Cottel's Reachen; and out to the northward of Offer Gooeeberry Ieland. Other chanmole branch off to the northward from Bloody and Cottol's Boeckea, and betwan the Lakeman's Inlands running into Pitt's sound, Lopker'e and Content Benohes, and thonoe to Mreehwator Bay. Within thome, and on the northern ahore, ara Hert, Lochortm, Thioity; Indian, and many othar lensor bays, covee, and inlote, aboanding with good inolhoregoes and caloulatod to efford shaltor for ahipping of ell deveriptiones
 the omantant tradern; we shall, therefore, proced to thoce whiob are the usual placio of resort, and are botter iftuated for the purpowe of fishing.
CGOOSEBERAY ISLES, the-The Goowborst Inlow aro a oluctor of itlete, pear

$80^{\prime \prime}$ N., longitude $68^{\circ} 80^{\prime} 80^{\prime \prime}$ W. From Oapo Bonavita, to mail aloar of the Eatern N. by W. W. W. and from thence to Copper Inland, (at the mouth of Greonepond
 ages, Whioh are North-Went Arm, Now Harbour, and Cat Oovo. Tharo iegood holding gronnd betwoen Greonspond Ialand and the main, but the water is so doep that a vemel 4 longthened cable in heary galer from the S.W., to whioh quartor it is much expored. The course to Barrow Harboor fromi the enstornt Gooeeberry Roak is A.W. $\frac{1}{2}$ W. 18 miles : you thus avoid Malone's Ledge, a shoal lyiag 8. $\frac{1}{1}$ W., one milo from the rook; (elove water,) whioh bears the same name: it has nover less than 4 faithoms, to that, in une weather, no danger need be apprchended.
8tipe coming from the enetward, or round Oape Freele, have to avoid the Charge Rook which lies 8.E. $\frac{3}{4}$ 8. $2 \frac{1}{4}$ miles from Oape Freels' Gull Itland; the rock has only having from 8 to modiately for the Stinking Iolands, taking Laland, off Oape Freale, you may run imward of the Gull, as this will oarry youing care not to open Oape. Freals to the oest-Mid-rools, whioh are just above water, and lie a danger. Keop a good look for the Stinking falands; but a ressel not bound up the may is enjoined to kee E. from the of them all, for should thio weathor beoom the bay, is onjoined to keep woll outaide frequently with an eastorly wind,) you will rum a thibk and foggy, (whioh ocours among the innumerable rocks for whioh this part of the coent of geting bewildered which nelther ohart nor compans cen dirtat the of the comatt is remarkable, and from N.W. from Gull Island is a rook with 8 fathome of In the winter months bhen the north athoms of wator upon it.
 E. by N. 21 miles from the Stinting Islonde ppots of the Stinking Baake, which lie 7 fathome on these banks, and, in euch weather, aithon piacon thare are ans little ats she would be ia very great denger of thondering in the gh a vemal would not atrito, be apt to breal over her; but in fine weather no danger from them is to bo apprehended.
Having rounced the 8tinking Islands, and wishing to sail into Now Harbour or Oat Cove, steer direotly for the Offor Gooseberry Island, S.W. by W. I W. until you bring Pouoh and Flower Islands to touch each other; yon will be then 2 miles outside the three rocke which lie at $1 \frac{1}{4}$ miles to tho south ward of Flower Island. The outer of the three rocke has on it 8 fathomis of watar, the middle 14 feot, and the inner only 11 feot. Now alter the coutse to W. $\$ 8$., teeping the white face of Chalky Hills, in Lookerie Remch, a little on the starboand bow, which will ourry you oloar of Oopper Ieland dangers, lying with at 8 hoo Oove Point; and should the roughnees of the weather provent you getting a pilot on board thereabout, you may continue this course until you bring 8hoo Cove Point (which may be distingaished from its bearing a eomblance to white marble) to bear N.W. $\frac{1}{\text { I }} \mathbf{W}$., when you may ahape your course for Indian

Now Harbour is 2 miles to the weatward of Shoe Cove Point With etisterly winds it in quite ineocessible, from its narrow ontrance; in whioh dese you must continue onward for Oat Gove, lying 4 miles firther up the bay on the same side. Oat Oove is formed by Oat Ioland, and may be easily reoognized, the inlend being the only pirt in the vicinity that is eovered with live woods, the surrounding forente having beon: deatroyed by conflefration. On theering for this pleoe proveed betwean Silvor Elair and Byown Fox Isiande and main, and as you approcoli the lattor, the ohamnal nar rowt, and you keep Cat thand open on jour etarboard bow. Of the apper pert of Oat Island lie two high grven roak, whioh you must round, the pempege formed by thom being too shoal to page betweon; you may then run till your get come diennee indide the uppor point of tho island, and anohor in from 6 to 48 , thome, with the hawio opon to N.W., the winde from that quartor being in general nooet tioavy and squally. In working in, yon may stand elow to either shore, exoept of the point of the ialand, as there is a cunken rock within 100 yarde of It, with not more than 10 foet of water.
the Enaturn the courreo in Greonapond moont anobhorgood holding p that a remol rom to veer to auch expoem. 8.W. $\frac{1}{}$ W. 18 rom the rook, roma, 50 that,
d the Charge rock has onily bing ground, may run im$s$ to the oastlook for the E. from the roll outurde Thioh ococre 3 bewildered o, and from ra of a mile continuou, c, which lie as litulo ans not atrike thioh would o bo appro-
bour or Oat 1 yon bring onteride the outer of the nily 11 foot. in Lookeria per IIland to weather ourso until cemblance for Indina
orly winde continue Oat Cove only pirt ring been: Ivor Hair mand nair erepart of ormed by dimenos with the ionery and - point of than 10
bourhood, and whioh are almont undiatinguishable from their great aimilarity, The greatent dauger you have to encountar, in making this place from the southward, is the Northorn Rook, which lien N.E. $1 \frac{1}{4}$ milee from Oopper Ieland (known by its height and without wood); it has never leme than 22 feet of watar upon it; so thit, in fine weather, veceole which generally frequent this coset miy paem over it in perfoot safety; but, in hard galea, the mea breake over it inoredibly high. To avoid it, be eareful not to open Fool's Inland, at the antrance of N.W. Arm (whioh is somewhat highor and mose prominent than the rent, and if eovered with troen, except the erown), to the weetward of the Weetern Pood Book, until you bring Butterfy Ialand to touch tho inner point of Mower. Ialand, or until Pufin and. Oopper Itilande touch each other; then, leaving the Pond Rooks on the atarboard hand, steer in for Fool's Island, which it is muriaablo to koep woll on boand, as there is a sunken rook lying exaotly in mid-ohannol, between it and Partridge Ialand Rooks, with 18 foot upon it; to clear which, it is impomible to give a decoriptive mark. The course then into the Arm is N.W. $\frac{1}{1}$ W, and as soon as you got ingide Odd Ialand, you may anohor ir muddy ground with from 7 to 9 fathome, Fool's Island Hill bouring S.E. to 8.E. by 8. During the dry summar monthis, reseals are compelled to eend to Loo Cove for water, rir is wood to be procured on this part of the opast within the distance of 12 miles.

Greenapond Tickle is a sinall harbour on the south-eastorn side of Greenspond Island. The ieland is about a milo in breadth each way, and a reof of rooky inlots runs off the sonthorn part of it, all the way to Pufin Ialand. The harbour is of very little importance, not being capubla of recoiving veceele whose dreught of wator exooede 14 foet; its daugers are the Northern, tho Cook-room, and Harbour Rooks, but it is impomible to get in with a fonl wind ${ }^{\text {win }}$ arme with a fair pono, without a pilot. Shipe eometimice anchor betweon the inland and the main; but the pleco is contrioted, and the water is very deep, and it is much exposed to S. W. winde, so that it canonot be recommonded as a plece of enfoty. To sail into it; you muet paes to the weetrand of Coppor Ieland, in doing whioh you must cautiona(thavoid the Midenmmer Bock, which liee one mile of W. by S. \& A. from thatialend, and hes only 6 foet water on its When you ahnt in Silver Hair Ialand with Bhoi Cove Point, you are inaldo the dangors You ahould also give Newale and Ship Island a wide berth, as the watar ahonle off them to a considerable dintance.

## CAPE FREELS TO CAPE NORMAN.

can wance is formed of three points, the South Bill, the North Bill, and the Middle, or Cape Freels, about which there are many shoals and rocky dangers; therefore, a wide berth should be given them at all times. Over thóe pointis io 'some high land, commonly pamed the Cape Ridge, which it vivible at a conaiderable dietance.

About of miles N.N.W. \& W. from Cape Freele, is the Outer Gat Ieland, which is conneoted to the main by a candy reef, imparabie for shipping, and forming the southern point of Deadman's Buy. A little before rou come to the Outer Gat, you will noe a remarkable bill named the Windmill Hill, and near it the Litle Gat Iflend. In aailing to or from Cape Freale, the shore should have a good berth; although there are soundingi all the way, deoreasing gredually towards the aboro. Deadman's Bay is formed hy the Outer Gat Island to the southward; and Deadman's Point to the northward; the eonndinge within it are regular, and there are no rockes, exeppt thote elone to the chore, but it in totally unsheltwred; and open to all enuteriy vísia.
PREAGUIN I8L,ANDS.-Having peesed Deedman'e Point, you will epproeoh the Penguin Idends two in mumber, bearing from Oape Preels N.N.W. 7 W. ditant In and 16 mile. Between thom the panage is oledr, with from $b \frac{1}{3}$ to $I$ fathoms water, but vemole ehould not go within them and the athore, for there are woveral rocky ma/i which rondon it partionlarly dapgorous :

FUNK 18LANDS.-The Funk Islands which lie N.E. $\frac{y}{}$ E. from Oape Freele. diatant 61 trikes are a littio group of rooke just above water. The largent of then


## OAPE FREELS TO OAPE NORMAN.

miles; but it will alwaye to dietinguiebed by the great number of birde continually hovering over ti. About 200 yards north of the largeat Funk Ioland is a large rooly above watef, and N.W. by W. 180 ydredo from this are otill larger rocks; they aro all rooks are 18, 37, and 18 fathome water, that inhabit and breed theit. Hotweon thewe rook and the largeet inand there is a with a cloar paesage; but between the oactorn bver whioh the soe generally breake; magerona maniken rock, of only 10 feet. water, and betireon it and the largest island 80,25 noere sunken rook aro 14 and 16 fathoms, orn point of the largeat injand are some ronke, 28, 24; and 17 fathoma. Off the wostWhit $s$ fathoms in ith A ledge of rooke is reported to ite eaptern part a mort of areek the dietanoe of 7 milea. A Correepond the latter part of November (1860), thare was a high coa from the N. E . About Whioh they ( partan of seamein on the island) observed a groat number of shoals, which' were counted, and found to kmount to 28 , continting agearly found the island, mall are of $33^{\circ} \geqslant 5^{\prime}$ only (from W. by N. to N.W.) being clear. . Upon a olose observetion, the prinotpel of thoes shoals, and the most dangarous, as boing furthest from thomiand; ind therefore loses liable to be apprehended, was seen to britit aboat 2 milee

Soptember, 1836, during a gale and very heserous rook was dieogivich or the 88th brig St. John. Heary breakers wore distinotly soem by Captain Mcvan Percy, in the little southerly, about $\gamma$ miles from the Fuotly seen upon a rook bbariag $\mathbf{W} . ~ \& 8$. a fime olear evening, and it was the opinion of Ill on the The bearing whs talien in a appearing ebove water, would take up any veseal. The that the rock, though not 1 fitode $49^{\circ} 41^{\prime}$, longitude $63^{\circ} 16^{\circ} \mathbf{W}$. ; but the ohanel position given to it is about Filands must be cautiously used, as the exnct position of this rook cannand Funk pended on.

A rook is said to lie \% miles N.N.W. from Fink Frepends, and a shoal, named the Cleopatra, is said to lie N.W. by W. 1 W. 20 milem on Funk Ishands, and aboot 11 miles to the eactward of Fogo lsland; but both the fatior ponitione are doubtful.
Durelte Ledge, or Szap Rock, is'a dangorouse reef, faid tor fie about 7 leagues N.W. by N. from Funk Islands, and to cause the sea to break over it continually. Nearly N.W. by W. dietant 3 leagues from Durel's Ledge, is another danger named CromFoll's Leigands. ob
RAGGED HARBOUR:-This harbour Jien to the porth-westrard of the Penguins, distart 8 miles. The mainland bereabout is iow and sandy, and the pessage from the enstward rooly and dangerous; it ahould therefore not be attempted by a miloe bojond chat in Roplot To the north-weetward in Ladle Cove Islend, and y. $64^{\circ} 10^{\circ} \mathrm{W}$. $\Delta t$ ite ontrance lio three ties in abont latitude $49^{\circ} 25^{\prime} \mathrm{N}$. and longitude farther in, White Ialand. You may pese b, Noggin IEland, Green Island, and fathoms; between Rooky Point and gase between each of these islande in 7 betweon Green and WItite Islands in 18 aneen Isiand in $7,8,18$, or 10 fathoms; and the weatern point of the biy in $3 t$ id fathoms; and between Noggin Ieland of thewe baye, for there are three openine is. rock, and athoms. The bottom them.
THE WADEAY TRTA
$85^{\prime}$ N., lying to the noth- ${ }^{\prime}$. These consiat of a cluster of islande in about $49^{\circ}$ by channels more than 1 amd 11 mif Oapa Froels, and are moperated from omoh othar Whioh is abont 14 milee long, and lies inde. The largeet is named Peokford's Island, from Cape Freele nearly N. \& $\mathbf{W}$, liea in the dineation of north and south, aad bears the laind about Regged Harbour, theme 21 milea. From ite southern part towaids
 About 1 I miles N.N.W. IN. from Peokford ritem of this part extremely hazardouac between thein ehould not be attemptoar, for there ad is Whito Ialand, but a phesige north and north-western part of Peokford's Islend ars ecveral emall:rooke lying off the as far as.Whito Island. N.W. by W.-from Pcolford's Island etbont over aliniont Oopper Island. Duck Island liee W.N.W. $\&$ a. . 21 miles from Peotront 43 milen is
about a nimilar distance 8.S.E. $\frac{1}{1}$ E. from Copper Toland. There are also eome amall rooks lying off the N.W.,ond of Duok Inland, whioh, boing visible, oan always be avoided with ence.

The 8.s. W. rock is abiove water, bearing from Offer Island 8.s.W., distant 21 miles, and hat noar it 18, 17, and 21 fathoms. About N.N.E. distant 2 miles from thi 8.8.W. Rook is a mall flat island; and a littlo moro to the eastward is Offor Isjand; this is the most eastorly of all the Wadham Ielands. There is yet a rook to desoribe whioh lies E.S.E. $\frac{1}{}$ E. from Offor Ialand, distant about $1 \frac{7}{4}$ mileo, named the E.S.E. Grownd ; this in dengeroue, and must havewberth in paeging oither north or wouth of it. The Tom Ood Reok, aleo. dangerous, lies three-quarters of a mile B. by W. from Ofior Island.
FOGO. I8LANDS lie to the north-weetward of the Wadham Isiande. Great Fogo is 4 leagues long ind 9 miles broed : off its south-western point lie the Indian Islands, and N.E. by N. sit miles from the body of Great Fogo, are the Littlo Fogo Islends: Nomerouv other rooks and semall ialands arp soattored about them.

Fogo Harbour hes on the north side of the ioland; it is considered good for the - flaheries, but its entrance is dangerous and diffieult. There is e strong ourrent mnning siouth-eastward, espeoially with a weetorly wind, to guard egainst which as muoh as powiblo you should hug Fogo clowe 'on board, until you open the entrance, which is narrow; baving found this, run direotly in, keoping right in the middie, and you will oarry" 6,6 , and 4 fathome throughout; this is named the Weet Tioklo. When yon are through, if intendiag to anohor in the western bight, you must eteor sonth-eastwasd until you bring the point between the beight N.W. by W. to avoid the Harbour Rook, which seldom appears oxcept at low water, epring tides; then haul up to the weatward, and anohor in frome 6 to 5 fathome, good groand and well sheltered.
Veecels from the eactward, and bound to Fogo Harbour, should avold the Denn's Rook, a sunken danger lying between Joe Batt'e Point and the harbour. Steor W.N.W. until Brimstane Hill, a remarkable round mountain, appears in the centre of the harbour; then steer for the Eact Tiaklo, which may be known by the lantern on the top of Sim's Inland, making the weat side of the Tiokle.' Give a good berth to the point on the gtarboard side, and run right up the harbour, keeping near the eouth side, and you will carry from 6 to 8 fathoms through. Immediatoly you get round the point, eteor 8.W. to avoid the Harbour Rook, and follow the direotions given abovec for anohoring. The Middle Tiokle appears the widest, but it is fit only for bostas; eitheriof the other two must be adopted es best siits the wind.
Tho Little Fogo Islanide are noarly murronnded by rookn, both above and underr water, making this part of the count oxoeedingly dangorons. To the eactward of Little Foio if a mall rook just above water, named the North-Eeatern Rook, and somowhat in this direotion, dintant 10 or 11 milen, is said to Hie Cromwells Leage, Whose oxiot position is not. Well detormined, although it is considered to be extremely dangerons. Northward of Little Fogo are the Turr Rooke, and from hence, in the direction of the weetorn side of Great Fono Island, tre the Storehouse Rocks, the Seale' Nests, Gappy and Stone Itlands, the Jigger and Black Rooke, and varions other dangere, all having deep water round them, whioh inoreases the diftioulty of the navigation.
Iroland Rook lies about 4 miles E.N.E. of Littlo Fogo Iflands. It is the north: enstorimost of the IFoge Reche, and the toe always breake on it. The reefs oxtend nearly 18 miles in e., weeterly direetion from Iroland Rook to Fogo Head Rook, which lies about a mile north-weetward of Fogo Harbiour. Betwean the reefy and inlets are coveral deep-wator ctinnnels, whiok might'be taken by thoee well aoquainted. At the 'distanoe of' 4 mile 8:E. by 8 . from the Little Pogo Iclands, and 6 milet enatward of the N.E. part of Fogo Ielund, Hio the Berieok Rooks, whioh extond N.W. and S.E. fuly it milo, and pert of them are above watar. At the distance of 2 miles sonth-onatward
 Rooky on which the sen ganerally brielt.
CHANGE IOLLANDS TICKLB:-This harbour is vory sooure, and has good anchorage, with $O$ or $V$ fathona, middy bottom. The islande aboat it: are, generally, low and miatiay, hut mbandeaot of furb whod pay bo jprovired, though wator it esarce. The pamage in is between the Ruth'r Rookiand the Tobacoo Ialande, the mari boing Erimp.
stome Heed kept betweon both, whioh will olear all tho dangers on the northert ehort, and aleo of 8kinnene Harbour; or you miaj briug the Tioklo to the weit ward, between the pointe, and ateor direotly through in safoty.
ISLAND OF TOULINGUET-This island lies to the weotward of Fogo, and has eoveral manall inkrade about it. Here is situated what is named Toulipguet Bay; and to the south-weatward of Toulioguet Ioland, is the Harbour of Harring Freot, which is anid to bo, a apacious ine barbour, and lit for any receole.
From Toulinguet Bay to Oape 8t, John, thê course iss N.N.W. 101 loagues.
ons miry jow is ahigh rugged point of land, aituated in about lat, $40^{\circ} 68^{\circ}$ N., and long. $60^{\circ} 80^{\circ}$ W. And may be rondily known by the momall round ioland to the eastwird, distant from the northorn yitch of the capo about 5 miles. This is named the Gull Idkind, and filtiy third of that name on this aldarof Nowfoundlisad. Oape St John is the point where, by treaty, the Froxih fothories begin; thair boundary continuee thence north ward and round the weatorn comet, as far an Oape Ray.
At noarly two miloe to the southward of Oape BL. John, lio the Bishop Rooke, over Whioh the cee broaks in bad weather. Thefe are eeveral fiohing harbours on the coact to the southwand of the oape, partioularly Shoo Cove, Tilt Cove, and Snook Harbour; the lattar the boot with south-eatterly, Finde.

Thore are said to be varioue deop baye and inlete botween the Fogo I Mianda and Oape St John, but their partioulare are very little known, although there oan be litto doubt that the Great Bay and River Exploite, and the Bay of Notro Dame, afford many places of good anchorage, and of eary cooces, whioh whon fully oxplored, may beoome hereatior trequentod, botter understood, wad prove highly.
boneficil.

Bounding Cape 8L. John, and at about 5 miles to the wentrand, is the harbour of Le goio, to asil into whioh there is no danger whatever, bot it is open to winde from tho NJ.W.W.; whioh cond in a hoary seat The bett holding ground is just within a little core on the atarboard aide, in 16 fathome, muddy bottom; but the ground in not
good farther in.

Great Bound Harbour an good and oonvenjont placo for veapole ongaged in the fishing trade; there is no dangee in ealing in or out of it, both shoree being bold-to. The anohorage lies within the two inner pointe, where vecelle may ride in 4 or 5 fathome wator, socure from the weather, and ontirely land-looked. Littlo Hound Harbour, which lies round a point to the north-eastward, about is miles dintant, is morthly oove, and totally unfit for ehipping.
PACQUET HARBOUR lien about $\overline{5}$ milet N.W. by N. from Great Round Harbour; its entrance beate from the obannel betweon the Horse Islande, nearly 8.W. by \&. It may be known by tes eouthern head, whioh is a high and rooky mountain; the northern hoed is somewhat lowar, and there are three rook inlots lying dirvetly of its point. Both pointe are bold-to, but a little to the southward of the rooky inlote, is a manll shoal with 2,3 , and 1 fthome upon it; the channel betweem it and theme throe rooks has $\gamma, 8$, and 9 fathomes had the Fater meroms the ontrance is frome 8 and 9 to 10 and 20 futhoms. A similar dopth confinuen more than a quarter of a mile in, Whare the harbour divides into two ohannelsi'the ope running northward, the othor. Went aid Bouth-Weat.
The northern arm is about one quarter of a milo long, and bas 80,18 , and 19 fathome at its ontrance, becoming shallower mou adranoe. Vomels running in hove should keep the atarboard ahore on board; far about two-thinde op the ohannel, on the port aid, thore is a rooky thoal, a mali part of whioh cooasionally appocis above watari on the other part of thisechoal are from 8 foot to 4 fatbomst Having parood this Ehool, ateor up mid-channel, and anohor in 8,7 , or 8 fethoms; the northorn part noar the land bepomes challow, and a rivulet here fallis into the bay, which is mati to isauo from nome ettenaive lakee about two milom inland. The nontr-weetern ohnanal if nomewhat narrowar thin the northern one, but is quite free from dander; the ahores on both sidee are ctoopto, and bold, and you will have 12, 10, 9,8 and ${ }^{\prime}$ fathome for half a milo in ; it then thallows to the head of the bey, where there if a mandy benoch and a river running soushwierd. This is a mang and mocuro pleop for romols to run into whenever occacion may requise. To the northward of she northorn point is a mountifin, named fignal Hill, usually having a mignal-pont upon it, and warving to point out its rituation.

The entrance to Peoquet Harbour ahould not be attempted when the wind it
between N.W. end S.W., as the equalls off the laidf are then both heary and ehangeablo; and to mise staye, when in the narrows, would be dangorous. If apprehenaive of bed weather, it wonld be bettor to makp for Round Harbour. Minge Bight and Verto Bay Ho to the weetward, but although the anohorage is good, thoy are-bat litule frequentha.
Tan ST. BARBE, on HORSE ISLAND8, are aituated nearly midway botwooh. Partridge Point and Oape St. John, bearing from the latter N. by W. and N.N.W. distant about o loaguee. They are two. iblinds, forming a oirouit of vaerly 2 laagues, and appearing moderntaly high. There it a rook above water lying to the poathward of the cacternment, distant $1 \frac{1}{\text { millos }}$; apd on the eant eide of the came inland are some sunken rooks whloh strotoh out in some pleces near a mill from the ohore. At the 8.E. part of thle ialand there is eleo a mall cove, fit only for boata.' Thore is 4 safe ohannel between thoee inlands, with from 40 to 48 fathoms, bleck mud, but it is eoldom attomptod. The entern inland is the largeat.
Abouts milee, N. $\frac{1}{2}$ E., from Paoquet Hurbonr lies Hardy Herboar, having Wood Island lying bofore it. Fiching is carried on here, but with atrong woe winds it is inconvonient. To the extent of vearly 8 cables' off, the north side of Wood Island is rooky. Fire milos north-westivard of Wood Inland lio the Minge. Islands, which oonciat of two large rooks, lying ofr the N.W. point of Ming Bight, having. a paraze betweon. Two miles N. by W. of the Mings Inlands lios the Bistere' Rock, on which the son ilwaye breaks. A dengerous rock liee about threequartiors of a mile to the northward, with onis 8 seot water on its. These latter rooks bie netur the centre of the entrance to Green or Vorto Bay.
Fleur do Lyu Harbour liee to the ngrithward of Minge and Verte Bays, and about 8 miles to the sonth-eativard of Partridge Point, and derives its name from' three remarkable hillooks jnet over it. It is small, eafo, and sooure from all winds; and oxcollont anohoinge, in 4 fathomes water, may be found in its N.E. arm. A rookj shonl lice 100 yards off the irland, to avoid which you muat borrow towards the eantern shore until yon got Blufr Head open of the ioland. Thero is plonty of wood, but the watior beoomes gearec in a dry coneon. It is, however, very conveniontly situated for the fiehoriec, and is commonly frequonted by Promoh touede.
WHITE BAY is a lago-and oxtwosive arm of the eea, boing at ite ontranco, from Oape Partridge to Cat Hicad, fully 6 leagnes wide, and running in a south-weutorly direction, about 15 leaguee, to its apper end, where it is contrected to a river mouth; $1 \frac{1}{3}$ miles wide. In this bay or gill are ceveral inlande, coven, and inlets, affording both anchorage and, aheltior.

Lobeter Harbour lies about 4 leaguee sonthward of Partridge Point, and is a amall round harbour, with a shellow narrow entrance, having at low wator, in some placea, not above. 8 or 9 feat wator; but when yout are once entered, you will have 18 and 18 fathoms all over the harbour. 8mall veseele, therefore, mil in, commonly, th the flood tidee. It is high water, F. \& O., about 6 h .45 m. .; apringe rise 6 , neape $i$ foet

Southern $A$ rn lies about 5 miles from Lobeter Harbonr, and further pp tho bay. Here a ehip may anohor with great safety, in 17 fathoms wator, abont 8 milet within the heads; but there is aleo good anohorage in any part below this, and bofore $7^{\text {ou }}$ are adranced te far up, in 20 and 25 fathoms. $A$ littlo above the inner point, on the popthern side, is a muscole bank, which atretohes quite aoroen the arma, and nearly drien at low wator; and when. you have paced thio you will have 11 and 18 fathoms water, and the ohannol oontinues deep until you approeeh the river's poed. This is the frat great inlet on this. side of the gull, and may, therefore, be readily reoggnized.
Midelle $A$ rm liee about $1 \&$ milte W.S.W. from the Southorn Arm; at its entrance is a rooky ialand, which is joined to the shore hy shoul, over whioh are 1 and 2 fathoms water. Thin tnlot ruas in to the wonthward; about 8 or 4 milleo. To onter it, you will do well in keoping tho port chore on bonird; it is fitted only for mall vecolat if Two loaguen W. by S. fiom Xidale Arm is Hewling Point; and botween them lie tho Pigeon Itands, about which the ground it good for fithing.

Wiotem Arw liee S.E. of Hawling Poinh, and runs up nearly 4 miles; hore laro. refpols masy anohor in from 14 to 10 ficthoms whtter. Thare is a cove on cench nida of itteratrance; that to the north-uectriand is nafmed Bear Cove, where empliar Jcmels may meor teourdy, and ride eafe from all winde, in abput 18 futhome watar; the other

4
is named Wild Cove, a very indifiorent anohorage, epen to the north-westerly winds and the bottom rooky and foul.
Abont 6 leagues down from the river's head, and near the S.E. side of the bey, lies Granby's or.Mid Bay Island, without eiffior cove or plave of sholter. On the southeastorn part of this island is a shoal ruffing off, the, length of 2 cablee, with not mere than 9 foet water ovar it; and nearly abreast of this :inland; on the 8.E. aide of the bay, is Purbeot Oove, where shipping mej find sebh anolvorage; and lie with good convenience for the fisheries.
Hering papeed to the south ward of Granby's Island, the bay narrows and runs up about 5 leagues towarde Gold Cove; where the river branches out into ceveral atreams; and is commonly named the River's Head.
 Island, alout 8 milos in longth, and 11 miles in circuit ; near its westorn end is Goatis Island. These form a long paseage; or narm, named Sopis Arm ; at the northern part of which a vempel may onfoly anohor, juts inside the north side of Sop's Island ${ }^{\prime}$ this will be the best side of the channel or pasage into the arm; but thore is anchorage in deep water between Sop's. Island and the main, before jou reach so far rpas Goalis Inland.: There is aleo tomall coro at' the north ond of the ialend, namod. Bop's Cove; and tro other coves oppoeito the main, named Hart's Coves, in all, which the fisheries are oarried on, although ohipa generally anchor in the npper part of the arne and inside of Goat's Inland.
Jeokson's Arm lies abonts 81 milee to the northeard of sop's Ioland, to anter which you will pass a raggod point, low and round: the wator here it deep, except in a omail oove ón the starbogrd side, whart a reviel ehould moor head and storn. This place afforde the lergeet trimber in. White Bey. Frenghman's or Freach Core is about 2. miles to the northward of Jacksom's. Arm, and offors grod and rafo innohorago.

Four milos to the north-efetward of Frenchman's Cove is Coney Arm Hoed, the mont remarkable iand on tho westorn side of White Bay, and bears W. I M., distant 81 leaguee from Oape Partridge. The land here projeote out 11 miles, forming a doep bight, named Grett Coney Arm. In this plece thare le no good sholter for ©hipping; but in Littlo Coney Arm, whioh lies to the weatward of the head, fo conveniont anohorage for small vecsels, allhough its entranice is too shallow for large ahips; here fiching-erat frequently rendexvous.
About 10$\rangle$ miles to the north-enstward of Coney Arm Hoed, liee the Great Out Arm, and 2 miles farther is Little Cat Arm. In Great Cat Arm the depth of water in from 87; 35, 29, 27; 24, 20 to: 15 fathome, at the end of the arm, whece it in quite safo, and shelured by the land. At the end of the north point lio some reoled, which aro abovo water; to avoid them, kep quite alose to the wouth shore $;$, but in going into Little Oat Arm, it is bettor to krep on the north wde, than thore a rook near tho land on the opposite sidio. The entrance to this arm is narrow, and thore will be found in it a dopth of $9{ }^{2}{ }^{2}$, and $8 z$ fathoms ; the leant depth of water will bo found on the wouth

Litele Harbour Doep in muoh expooed to couth-ancterly tinde and by to
 whioh liv half a mile from the shon, and aftbri pood Abhips about thotr onvirons. The wator in pot vory decp in tay patt of this inlit, amd. whign you got up half way fito the entrancer to the hond, or thethor ond, it heoomeo quitto shonl.
Grand Veols is an inlot about $1 \frac{1}{2}$ ( millee deop; I ying one bilo from Litto Harbour Deppe. It je alco open to tho mouthily wince and way be lknowa, them newr the shore, by the northorn point appearing like an ithand, and bearing N.W. I N. foom Oape Partridey it in buti an inditmont plite for chipping, and moldom troquented.

Orage Bay; or Groat' Herbour Deop, nay be kaown frow eny other inltet, by the

 large harbour, and whon you got. about o milee within ite entradoe, divides into tho

 A.thomergitar its hend. A little within the onitraneo of Orange Bay, there: if 000 ovo oti

to lio in, for although thoy moor head and atorn, ybt should a gale oome on from the eastward, thore is liftle sefety to be depended upon.

Proceeding aboat 11 miles along the const you will aitive at Fourohé, a place little frequented, and having no avohorage until you approwoh its farther end, where you will find acove on the northern side. This core is 2 or 3 miles apove tho entrance, and vory amall veasele may anchpr there in 18 fathofls, mooring bead antid otera. The land on both (rides is extremely high and ateap to the shore. There ie aleo another arm ranning in about 2 miles farther than the cove, but it is no nartom, and han such a depth of wator, that it is almost ueeleess to shipping.

About 5 miles to the morth-eastrand of Fouroh 69 , and about 6 miles to the soothweetward of Cainde Howd, lies, the entrance to Hooping Harbour, or Sans Fond. It has two arms or bejy, the one running up north ward, the octher westerlg. Onptain Bullock recommends, as safe anchorage, nemr the head of the northern arm in 0 fathome, alithough: oppn to the southwand; yet the weatern arm ie more sheltered, and the wator is muoh deeper, having 16 to, 24 fathoms near ite heed. The entranoe of this harbour lies N.N.E. $\frac{1}{}$ E., distent 27 miles from Partridge Point.

About 6 miles N.E. by E. $\mathrm{I}_{\mathrm{E}}$. of. Hooping, Herbour lien Canada Head It is elevated land, and very eneily distinguiahed either from the notthward or southward; but whion direotly to the enetward of it, it beoomes diffioult, to reoognize it from the high land up the country at its beck.
CANADA BAY is an inlet of ponsiderable size and oxtent, having at its sonthern entranot Canada Heed, from whence it runs N.N.- Bastorly full \& loaguee; bore vemole caught in osettarly galae may wate theltor, and anohor in safoty. In encoring, When you get above the two rooky ielote which lie noar Bide' Heed, and named the Crose Ialande, you will $6 e e_{\text {a }}$ low. White point, and another bleok one a little beyond it; off this hatter, distant 2 aublee' length, lien a sunken reok; keep, theroforo, towards the middle of the bay, and yoil will find no danger, oscopt a roek abovo wrator, Which lies about a mile bolow the point of the narrown; thice you \#ill endeavour to leave on your port hand, keeping midiohannel, and you will have 10 fathome through the narrowest part Soon after gou hate paseed the narowe the bay widens, and is above a mile caroes, and you may then anohor in from 18 to 20 fathomat, good holding ground, and accure from all winds; but this bay in not much froquented, and only ocoesiondily resorted to in conio of neoesityons

Englowe Harbour is aituated on the north side of Ounede Bey. To aail into this place you must pass a low point, appearing white, and forming the northern point of entracee to Canede Bay; thon keep nour the shore until you get abreest of the next point, whioh makee the harbpur, hanl round to the 8IE, taking care not to come too near the point, for it ahoals a full oabloin longth off. Having go far adranoed you cana anchor in from 15 to 7 fathomen, good holding ground; but this in woll up the cove, whioh is too amall to lia in, antcem 7 on moop head and atera.
In Bide's Arm, which ruat upi N.N. E. from Englse, almont 2 longuen, thero is no gead Anohorage; the weter baing too deop; bat within the mouth and of Snglea Island in a good harbour for thelloper allhangte from thomeo to whore the shipellie, thote is no ohannal, even for boeten, primenat high mater, or boyond halftide.

Goufre Harbout lise in the B.W. cornor of the bay, about 2 milom wetward of CapadaHined, and 8 miloe from the north point of the ontrance. In this harbour which rums in Si Wi, nearly a mile, in good ma nohorage, in 15 fathoma, well aboltared from wind and men. Canade Harbour is the firmt on the pozt haud withha Oanade Head; hore ing a fistory anablithmont, Ae it is micafo, with N.E. wiode, the ohips anebor in Goufie, and only puo this himbour with boeth
 Capada Bay; it liee vary ppan to tho winde from the mouth, bat hae geod enchorace wall up to the hoed, in 11 fathores wheter good holding ground 8. by W. frot

 Wi from the couth end of the inland of Groete, distent $\$$ loagues $s$ ite northern purt in named Oape Rouge. Sheltor from tho heary srolls of the Atlantic in affiondil by
 and the harbour shoal lies in the B.W. arm. The boet anchorago iv in the perthern arm in any dopth of wator. Shige inay beat in or out, but thero is no maohyrage in
the centre of the harbour ao it is too deep. A emall island, named Rouge Ioland, liet direotly opposite to its entrance; its northern end requires a berth in paseing.

BELLE AND GROAIS 18LANDS.-These ialands lie off the N.E. const of Nowfoundland, from whioh thoy aro eeparated 9 or 10 milea. Belle Isle is the southernmont and largor islend, boing 9 miles in longth, and 6 broed; there is a little harbour at its south part, where fishing oreft ogacionally resort, but not oalocilated for shipping: other coves may bo fonnd abbut the shores of the island, where shellope sometimes take sholter. Orf ite western aide lies Green, Ialand, a amall rocky inlet, and to the southward a bank of soundings oxtonds with 12, 20, 25, and 80 fathomsi- There are some rooks, both above and under water, at the sonth point of Belle Isle; ibome of these lie 2 miles from the land. The sonth rock, above wator, liee 2 miles 8.W. from the eouth point of the island, and a sunken rook lies onethird of a mile S.W. of it; this is the southernmost rook ${ }^{\prime \prime}$
Grosis Island lies to the north-eastward of Belle Isle; and is about 7 miles in longth, and 81 miles broed; tite northern point Iying in latitude $500^{\circ} 89$. Or this end, and also off the N.W. part of the itlind, are several rocks above wator; othorwise this island is bold all round, and betweon it and the main are from 20 to 70 fathoms mater. The ohannel betweon it and Belle Isle is 6 miles wide, and in it there are from -40 to 68 fathoma dart mad and rotten shelle. In order to cloar the rocke lying off the N.W. point of the island, the N.E. point ehould not be brought to the sonthwird of 8.E.

CROO HARBOUR, the contral point of the Fronoh station, is eacy of scoees, although somembet diffioult to discoror, pertioularly when making the land directly from the eant; tit is well provided with "Hod and water. When the north part of Bolle Isle is olear of the wouthera part of Groais, you will be a littlo to the conthward of the harbour; and this mark will not fail to point out ite situation, eapecially as the headlend, forming the sonthern ahore, is baro of trees, and hes a round appearance. The rooks of thic headiand will aleo holp to distinguish it.

The entrance is about twòthirds of a mile wide, between Cape Vent (Wind) on the south and Cape Groux on the north, with a dopth in mid-ohannel of 18 to 20 fathome ats low water, sand, gravel, and rook. At the loot of Cape Vent, jhat outaide the her bour, are two rooky ielots, having s paciago between them fit for bouts; the oufin rook is clean cloweto, so that a vensol may pase protty near it; thore boing 6 to 8 fathoms a chort dintanoe off In the ohart there is a plan of the harbour which thould be refferred to.

Whot withim the herbour, the couth chore will be obeerved to run frret W. by N., and then to the W. by f., forming the 8.W. bay, whioh in eoldem uecd on acoount of belog aspoied to N. End N.I.E. Winds; yot pracil veicols, draving 9 to 10 feet water, oconcionally run up to the head of the bay, and anchor botroen thio talet and amell fishing artion of Potit-Mattre, oppoifto the etiage, but it is noepenary to moor fore and ath. A littio within the ontrave of the bayi on ite wettorn sido, is a rook above watior, named ave Folis or Baloine (Whal) Rock, on whioh the wan alwaye bretke; in
 a menali baj, named Bitat Oove, to aroid a brocker whioh live fim the direetion of the
 8.W. baj the harboar rung IV: DY. W., and ettor a ohort divtance dividen into two armes one nived the Fond, ruming to the northivard, and the other Epino-Ocdoret, towaris the socthiweit,
There is anchorege, th any part of the harbour, on a bottom of dark slate coloursed mud, and sounding of 88 to 9 flethome; but ill parts of the bay are not conaldored to be equally good. Tho beet anchortex it conidicinat to be at the catrance of the Pond,
 thits position Oaye Vens if conceniad by Point Gerilla. With e wront brewas from



 in celdom necoming to go co tar in .

rally neve alms dow the, spon the the

Iolend, liok ding. of New. to southerntule harbour od for shipulope some(nlot, and to ms - There Iolo ; tiome miles S.W. nile S.W. of

17 miles in - Of thia ator; other$m 20$ to 70 a, and in it to olear the brought to of scoeses, und direoely nth part of , mouthward dially as the بppearanaos.
ind) on the 20 futhome do the her the oum oing 0 to 8 sour which
; W. by N. cocount of foot water. : and mmal or fore and rook above breakes; in bar ovor to tion of the tnee of the - into two Codoret, to oolourod and orend to the Fond, winds; at roves from sis in that abetrooky meace, 00 m orve, but it
rally squally. Northeasterty winds aro also previlant in bad woathor, but thoy
 almost dry at low water, there is a convenient piace on the rocks to heave a veseel down to darcen, where the French ships, Olivier and Philomele, were hove down, and the rooke proparod for the rigging and a oapitan. The eoil here ia suid to be wot and spongy, being compoeed principally of doonyed vegetable matter, knd coverod mith the drarf pine, indigenons to the oountry, which does not attain any great dimenaions, the largest troe being not more than if foet in diameter, and the wood, when fall grown, of bat little value.
The ehores of Croo Harbour are bold-to. A frigate can teak in, but great attention must be paid to reer in good time, es, under the land, the wind is uncortain, and froquently takes absek at the moment of tacking, particularly when it is from the N.W. ahd in'squalls.
Ir loaving Oroo Herbour, and proceeding to the northward, aftor pasaing Point Groux, two black rocks are seen olose to the shore, named the Rerong. Hence to Irieh Iskland, a bleck barren rook, very abrupt; the land runs E. by N. I N., $2 \pm$ miles, and thence towarde the N.E the soath-west'point of St. Jalien Island, at the entrance of the harborr of that name.
The harbours of Great and Little 8t. Julien and also that of, Grandeway are all adjeoent to the Ialand of St. Julien, and bear to the north-reotruard of the northera part of the Island of Groaic. The south-west eod of the Illand of St. Julien is but little separatod from the main, and cannot be disfinguished to be an inland, until you arrive very near it ; thero is at this ond no paesege, oxcept for boats; therefore, to suil into either of these herbours, you may rreep olose to the inarth-enast ond of the island; and in passing that; the harbours will opon to your view.
Great St. Julien is the enatornmost harbour, to which there is no denger until you get within the entranoe, whon you will find the starboard shore to be sboal, nearly one third over; but when yon have paeped the firstatagea, you may anohor in from 8 to a fathome water.
To sail into Little St. Julien, you will first mteer for Groet St. Julien Harbour, in order to olenr a suoken roak which liee direotly before the harbour's month s and having arrived opposite the entranice of Grandsway, stear into the harbour, and anohor in 5 or 4 tathoms water. It is neoessary for all abipg ouing oithor of these harbouri, to moor both heed and storn. Grandeway is not a harbour for ahipping, although it is very convenient for fishing craft.
FISHOT ISLANDS. The largest of the group of these ialands, the sonthernmost. liee about 8 miles N.E. 1 E. from 8t. Julien Inland; and pomesses, on its western side, a harbour of the same name. In \& north-eastorly direction theee ialande oztend to the N.E. ifland, noeriy 4 milos. The N.E. islend if turrounded by shonis to some dietence, but botroen it all the next tro inlende to the pouth ward there are pamages, whiob, in fieo weather, may be taken. Those woll zoquaintod with Fishot Harbour may approaoh it either from the northivard op south hard, but it it only fit for romelo drawing 10 or 11 foet water. Thero are numerous ohoal rooke soentered about botweon Fishot Harboar ang the N.E. indand; but to vithin one-third of a milo of the ongterin shores of thoes inlande all is oloar.
HARE BAY. -The entranoce of this bay is aboutt 0 milee wide, and ti formed by Capio Goose on the north and Fishot Ialande on the Eouth; thencen is extendifi to the N.W., about 0 lengues, to the Northern Arm; and is about 6 milos in vidih. Thent are weverl good harbours within it, but thoy are not muoh froquonted. The wouth
 able are the Spriog and Breat Iclanda. The Spring. Ilandel lio on the south - wide, 0

- milee within the entranoe of the bay, and the Broatit Ialadis lie 4 miles farther. The Sonthern $A r m$ runa in about 8. W. by. W., 6 or . 8 milen from the ontern eide of the Bront Iolande, where good and wall-boluered anebornge may bo found in 10 or 19
 Of the Brait Ialende, in b or i fathome. The north ride of tho bay io all olcur wid enfo. How Harbour lion oni this sido, 11 milee from Cape Goose.
How Harbour is by far the bost in Hire Bay, and han info anahorage in avory partí The entringes to it lice 11 milee N.W. from Gape Goove, and N.E. by N. 8 milven from the ometern phatt of the Bront Iolando. To the northward rapge of mesthen and ponde oxtends mefar as Piotolet Bay. The harbour io about it miles loos, and
nearly hall a mile wido. Off its wenters point a small rook lies, but it is very moer to. the land. Tho upper part of the harbour shoals gradually, but in the middie of the harbour are 10 , fithoma.
Goose Harbour lies on thd weatern side of Cape Goona. It is small, bat very spoure, and posicsess arcellont anchorage in 4 and 5 fathomas. Vemele oap sail in with a westorly wiad; and rings are fixed, to asoist reseoly varping in with a contrary wind. Vessels gonerally moor head and etern in this harbour. Cape Goowe in one of the niost remarkable points on this conet, and is visible at a great distance. It hiee in latitude $64^{0} 17^{\prime} 20^{n} \mathrm{~N}$., and in certain positions it appenrs like an island. Thore are three romarkable mountaine near Oape Gooie, and further in the interior ane the Cajilluire Mountains, whioh are of a great hoight.

Oremallire Harboum hies about 2 milee northward of Oape Goose, and is apaciovis and good, haring ozoollent anchorage in 7 or 6 fathoms water. It is aupplied with ahundape of wool and wator, and is a good harbour for mon of war to put into. Between Notre Dijone Island and the port side of the entraze theve is a whoal in coming trom the soathward, whioh may be casily aivoided by keoping near roid-ohannel
81. ANTHONY HARBOUR.-To the ceatwand of Oremalliro. Bay liew St. Anthony Harbour, whioh is a safa place, having good asehoriage in 6 or t fathoms water, on a bottom of blue oloy. Its eptratioe lies N. W. by W. II milee from Cepe Se, Anthony, and cannot danily to mistaken, frome the remartable high land on itt southern ehore, and being the rit opening on the port side ne you entir the large bey within $8 t$ Anthony'P Pint This bay rune in north, 8 miles, and has 25 to 86 fathomes in it, and is quitio ppep to sotuth and 8:E. winds. (B, Anthony Harbour is woll cuppliod with

货ilog to the cytwerd, has osotioiotally, boen mintacemi for the eapi.
 having good apohorsige within it The bottomis mopis, and the shoree are bold mad eteop-to. It guprally has a fow French veseala in it during the fiching mecon. The Bralin Bhoal Ihj B. $74^{\circ}$ I. (troe), dietant it milee from the Neodle Rooks, and 12 foet Are roported to le on it, but Liove. Bullock maje that he nover found lemethan 10 foet Breakeft are os mioned by it vith an Hittle cear but the commos curreit wit alwayis create a constan frippla. This th the mont dangerous rook hereebout. Betweon it and the thore thpre figagoodi puinioe with 29 fathoms juat within the rook, and: 47 fathome near mid-ohannel.

ET: LIJNAIRR, At the touthern point of the eatrance of SL. Lunaire lite two imatads' between whith thies is but in matrow boat pacaige. The only chanmel for shipe-is to the pothward of thein, and in almoot hefrem mile wido, with both shores bold-to. Havifi nitered betweon the pointe of the bay, you will perooive some mall
 for they are conneoted by indely ref of challow water: jou. Will, themeore, oteme to the northwand of thom all. On the northom hhorestiou wilt wop Amolia IImbour,

 sholtered from the westward by come high isinnde, but toward the top of the bay is

 within it f buy the ctoch If shollow, and there is a Kaoll, of 8 fathome, lyitit before












rery monr to iddie of the 11, but very cap mil h in eontrary oin one of 00. It lios ad. There rior ane the

## in apecionis

 pplied with 0 put into. a ahoal in id-ohannel It. Anthony water, on a 4 Anthony, bers chore, - within St in it, and ppliod withOepe St: iok liee 11

1 but sefo bold and non. The and 18 foet nen 10 foot will aivay Betweon it rali, and 47 ire lie two hennal for voth ahores rome small u betimeni, ro, itcele to - Hapbour, nd yyarer $y$, and it is the bay is
Pituo emets ivig before bo land on mothon ond tho I.W. stooks, and namice of 00 fathoms ctany In yond citit of the opohing - Catruace +

Lieat Bullock tayy of 8t. Lunaire Bey :- "Thís axoellent harbour will contain 100 vessels in perfoct safety; is romarkably easy of acoese, and may alwaya be reoognized by the eppearance of the White Cape: The best and moat convenient anehorage will bo found at Amelia Core, in from 5 to 7 fethoms. The approach and eintrance are bold and steep-to, only observing to give the points of the eouthern islands a good berth:' Both wood and water are to be obtained without diffioulty; and it affords, in every reapeot, a good and secure anohoraga"

GRIGUET BAY is forthed by Stormy Oape to the ngrthward, and White Oape to the southward, having several good coves or harbours for shipping engaged. $i$.he fieberies. In this baj lien Oamol's Inland, rising up in the middele like the humpof a ommel, and soarcely to be diatinguished from the main land in sailing along. Bohind thin island in cituatiod the S.W. Harbour, a nerrow chanpel, running in nemary 2 miles, with from 4 to 10 fachoms watar in it; there is a thoal at its entranco.
The Norfh-Harbour runs in within Stormy Oape; and has, at its entrapce, a rook above wator, which is bold-to all round, and recoels may sail' on etther stde of it, and anchor in 0 fathoms wator.

In the pasaage which leads to the N.W. and S.W. Hiarbours there is an ialand, whioh contracts the ohannel, renderiog the passages narro ; the best and safant ontranee is to the northward of this ieland, giving the outar potht of the N.W. Harrbour a omall borth, and so soon as you got within the ialand you will open both harbours; that which rumi in north-westward is tho larger of the two, end is 2 -miles deep; you should sail up on its. weatern side, having. 14, 16, and 18 fathoma, antil you get ingide the point, a hitule within whioh is a bank of 7 gr 8 fathome, hut when yon have pamed oyet this, you will again drop into 16 and 17 fathoma; and as you approeolk the hoad of the bay, jou will leapon your wator to 7,6 , and 6 fathome, overy hore good anohorage; and welf eheltored from all winde. The two islands of Griguet lie outaido of Camal's Ioland, and, together form between them sovorat emall but anug harbours for fighing ressole

Lieut Bullock obyerres:- "The north bay it insecure in apring and fell, on acconnt of its being aposed to southorly gales; the 8.W. bay is, therefore, recommended, whert thiere is good anohorage in 5 or 6 fathoms wator: Camel Islandts Harbour will alway be found too intrioate for a atranger, and, should hover be attempted without the meaistance of a pilot."

WHITE ISLANDS.-The White Islands lie to the north eastrand of.Stormy Cape, from which they are distant one league, and about 2 miles from the shore opposite: they are amall, of modorate height, and haro novoral rooks inside, both above and undor water; but theso ase not conaidored to be dangerous, as they ero eavily die covorable oren in fine weather, and the paceage betweon them and the main is very cefo, having a dopech of 40 fathoms in it
COUIRPON ISLAND.-This lies off the northeastara part of Nowfoundiand, and formse the SEE. point of entrance to the strait of Bolle Isle: it in large, high, and barron, and Oape Degrat in vi-blo, in olear weather, full 12 leaguee to coawari.
There is a narrow channol whiah runs in to the southward of Quirpon; and divilee it from the main, in which-lies Little Quirpon Harbour. To ontor it thore is no denfor hat what you will eatily porocire. Vomals commonly moor hond and starn, and lis there pertoothy meoura.
Degrat ind Pigeon Coves lis on the evatom mido of Quirpon Island, and to the northward of Oape Dograt; at their entrance are seyeral manall rocky islote and rooks above wator, affording behind them vory fair ecourity for shipping, in \& fathonts wator, and good convenioncee for finhing.
Oape B Gald, the northorn extromity of Quirpen Ieland, lies ini lat, $61^{\circ} 80^{\prime}$ N. and in longt $05^{\circ} 28^{\prime}$ W. It io rooty and onpo-to, and many be approeohed vary nour with groet safety. Having rounded this cope, you will peroeive a rooky point to the southward looding, to the hatbour of Quirpon.
 botwoca it apd Grarce Island. In your appronoh towandi it from the northward you
 until you arrive at the entranoe to the harbour, whore thare are gome aheole, whith
 of nll the other land, until Raven Point comes over Noder Pointithen hadl In lor sho hambour, going not meater thati the dietance of halr a ouhn's langth frum tho piat of

Graves Island. The anchorage within the igland is everywhere good, with room and depth enough for any ehips, and the ground holds well.

The best place to ride in wilt-be towards the upper end of Graves Island; abremat of Greon Island, in 7 ffathoms watpr. The passage to the Inner Harbour, on either side of Green Island, is very good for ships of a moderate dritught of water, through whioh jon will have 3 fathoms, and above Green Island yout are excellent riding in 7 fathoms. There is also a passage to this harbour through Littlo Quirpon Harbour; but it is too inariow and intricate for any one to attempt, nuless they are perfectly coquainted with the narigation. In and about Quirpon are oomzeniences for a grept mumber' of vescols employed in the fisheries, and good fisbigg throughouta, "the land. overywhese is high and weare a barren appearance.
NODDY HARBOUR lies alittlo to the westward of Qairpon Harbour, and runs in between Noddy Point and Caple Raven: There is no danger in entering and youwill peas to the starboard of the little iglend that lies about a mile within the ontrance, and anchor before it in 5 fathome water; on you may, with a small vemel, run farther np into the basin, and anohor in $2 f$ or 8 fathoms. There is a stage within Ghe itiand; and on the eastorn side of the harbour, with convenient'room for many tacele.
The Gúll Rook lies W.N.W. I W. from Bauld Oape, in the Ieland of Quirpon; distant 8 miles; and"N.N.E. nearly 2 milles frem Cepe Raven; it is silways above wator. Merin's Ledge lies nearly S.W. from the Gull Rook, dietant 14 miles, and north, about a milo from Cape Raven, being distant about a mile from Maria'e Hoad.
In ittanding in from the north ward, for qipher Quirpon or Noddy Hárboars, you need not fear any denger from the Gnll or Marle Rooke, for both are above water; the passage between them is half a league wide, and very safoy ft will, however, be prudent to pase near the Gull Rock, because of the N.W. Lodge, whichn never appears but fa bad weather; this N.W. Leage beare Weat ra littlo soutb,' distant 14 miles from the Gull Rock, and you should not attempt the passage between it and the main, on acoonnt of other rocks that are said to lie aboukingd pleces of shallow water.
8AORED ISLANDS.-Great Sacred Island lies about N.W. by.W. \& W. from Bauld Cape, distant 63 milos, and B.E. by E. 1 E. from Cape Norman, nearly 12 miles. Little Sacred Island is one mile to the sonth Molvard of the Great Island; the passige between them ts safe, and you may sail round both, for they are high and bold; within them, on the main, and to the W.S. Westward, is Sacred Bay; tolorably large, with numerous rocky islets within it : the shores of this pinco abound with wood, and, therefore, it is much resorted to for the use of fisheries at Quirpon and Griguet, do.

Cape Onion forme the north point of Sacred Bay, being high and steep; near it is - remarkebie rook, nemed the Mewstone, and mach resembling that in Plymouth Sound. There is a little cove to the southward of this rook, where a vessel may occasionally recoit to with safoty. From Cape Onion to Burat Oape the course is W. 4 N. about 41 milow Burnt Cape has a white appearance, and riess from the seaward to a conviderable height:
HA-HA BAY. On the eastern side of Burnt. Oapo ic He-Ha Bay, which rups in southerily about 2 miles. It lies open to northerily winds, but, whoin you are within tho edipo you will fud anohorage in 6 or 7 fathome, or you oin go farthor up and ride well thelcered in 3 or 27 fathomis: This is a convenient plece for the fisherios and lises plenty of wood.

PISTOLET BAY.-This bay lies betreen Barnt Gape and the Norman Ledgea, -hich boar from ezoh other N.W. by Ni. end S.E. by S. dietant timiles. It is extoisivo, and rouches aoteral mile ceoh way, having gooi anohoring ground in mout parts, partioularly on the wectern silio, a little above the islands, in about ofathome water; the shore is tolerably well furnished with wood, and contributes to supply Cho potseet Earbour, in the N.W. part of Pintolet Bay, aud within the iolands, is about 8 miles above Norman Lodge Point. These lodges are aboitt 1 milo to the oaetwand of the north point. To cloar theee dangere ae you enter, be tiure to keep Burnt Cupp woll open of the outer rooks, that lis ofir the filands at the western entrance to Piobalet Hairbory, and if going in', wo soon as you condder yoursolf to be to the couthward of thete lediges, steer in for the hatbour, leaving tho ioliande and rooks on jour port dide;
keep the southern shore on board, for fear of a ledge of rooks that juts fit from a little rocky ialand on the other aide; and so soon as you get within the ieland, haul over for the northern shore, and anohor in 4 or 6 fathoms water. This harbour might be made:very con venient, with several fishing rooms; and proper stages, to which the boats might resort and oure their fish, might be erected' in all the ooves between it and Cape Norman.
BELLE ISLE lies at the entrance of the strait of the came name, and should be named the Northern Belle Isle, to distinguish it from those we have already described, lying to the southward. It is about 01 miles long and 41 broad, being distint from Bauld Head in Quirpon Island about 14 miles, aud from the coast of Labrador 12 miles; it is moderately higk, and wears an uniform storile appearaince. On its northwestern cosast there is a spall harbour named Lark Cove or Harbour, lying within, an island almosi olose to the Tand, and fit only for small craft; and at the eastern side of the island is another cove named Battomax Oreels, frequented occasionally by shallopa. About two milos to the north-eastward of this island lies a leige of nocks, part of which eppear above water, and over these the sea breaks very high; thia is named the N.E. Ledge, and you will have 15 and 20 fathoms olose to it, and 65 between it and the north part of the island. The sounding vabout, Belle I irregular; nür the island you will seldom find loss than 20 fathome, except on a small bank, said to lie to the northward, distant 4 miles from its northern part, whereon are only 5 fathoms. The northern part of this ialand is said to lie in about the latituce of $52^{\circ} 1^{\prime}$ N., long. $55^{\circ} 19^{\prime}$ W. The S.W, ond of the island bears S.E. 是 S; 18 mile from York Point, and N.E. $\frac{1}{2}$ N., 14 miles from Cape Bauld, in Quirpon Island.
oupa mognent is the northernmost point of Newfoundland, and is of a moderate even height, and very barren appearance, whioh continues far inland. It is about a leaguo to the north-westward of the ledges from Cape Norman that the ahores of Newfoundlend turn south-westerly, and will be hereafter deecribed.

## SOUTH COAST OF NEWFOUNDLAND.

## from cape raoe to cape chapeat roúge.

anm nacy, the south-east extremity of Newfoundland, is, as before mentioned, a table land of moderate height. 1 blmok rock lies near to it, and soviral smaller ones around it. E.S.E. from the cape, and to the southward of Oape Ballerd, lies a fiohing-bank, named Nei Bank, about 5 miloe long and nearly 2 miles broad; on it are from 17 to 25 fathoms whater, with vory deop water on its outalde, and 80 fathomih jut within it. Vessels making thie part of the coust may know thair approcoh townd the land, by, suddonly lesconing their wator to the abovo dopths.

From Oape Reoo the land trends 61 miles weatoriy to Mistaken Point, off whioh is a rook above water. From'Mistakon Point, the const runs N.W. by W. a dietenoe of 2 nitlos to Pronoh Mistakon Point, off whioh is also a roak. Thereahter the oinet trends N: by. W. into Bisony and Mntton Bays, whioh are saldom frequented; it considered dangorous to got embeyod thero, ss the sea genorally drivo in, and them are hardly ny ourrents to holp you out agria. Mutton Bay lise botweon Oape Motton and Cape fowles, and is about 2 miles deop, with 18 to 8 fechome, rocty bottom: The N. W. part of Mutton Bay is eoparated Xrom Tropatboy Harbour by low, narrow, tony beeoh, over whioh the vempolo in Trepainey Earboar oan bo eoon. At the oxtremity of this neoly of land is Oipe Powles, which forme the eact point of the ontranoe into Tropescey Harbour.
 of t mile wide, and runs nearly of the same breadth for $2 t$ mileg, whon it narrowit to: one quartec of a milio, but again inoreasee todtrioquartors of a mille whese the chipe ride. Shipm intonding to ontor this harbour gonerally steor from Mietaken Popt towarda Onpo Pise, untit they ffirly open tho harbour; thoy may thon mafly rus slomes shore as it li bold. Therlangors in adiling into the harbour aro a small rook oditho eatorn shoy, about a millo within the Powles Romis and about chathid rof "
eable's length from the shore; and on the wost aide, a shoul which funs along shore up the harbour to a low green point. Beiarm Point on with a low rocky point at the entrance of the harbour, will oarry you plear of this shoal. When you are noarly up with the low green point yoth may oteor more to the weatward, and enohor oither in the N.W. or N.E, arm in 6 or Othethema. Wood and water oan be obtained here with facility.
From Cape Powles to Oape'Pine; the belaring and distance are S. W. by W. 6 miles. Cape Pine is moderately high and barten. A tower, 50 foet high, and painted with bande of red and whiter alternately, has been erected on Cape Pine, from which a brilliant revolving light is oxhibitod, appearing in its greateet brillinney overy half minuto. The light is elevated 802 foet above the level of the sea, and is visible to soaward in oloar weathor at a distanot of $5{ }^{2}$ miles. Lat, $40^{\circ} 37^{\prime} 12^{\prime \prime}$ N., and long. $63^{\circ} 89^{\prime} 27^{\prime \prime}$ W.
From Cape Pine to Oape Freols the boaring and distarice are Went, 17 milas ; and from Oape Freols to Bleck Hoad, W.N.W., a milo; the const, thereafter, trende N.W. 4. W., one mile, to the eastern reef and head of St. Shot's Bay, which bay la about a milo deep, bat ontiroly open to the sean, and very dangerous, From the eactorn to the western head the bearing and distince are N. by W. 8 miles.

Or. ginncie 2 m-The eatern head of St. Shot's may be oonsidered the eust point of St. Mery's Bay, while Point Lance forms the weet point ; thewo bear from oach other N.W. by N. and 8.E. by 8., distant abont'20 miles. The bay runs up of leagued, the land on eeoh side being moderately,high. From the western head of 8t. . Shot's to Gall Island, the bearing and distence are N. $\&$ E. 4 miles. Gall Ioland is minll, and lies olone to thio land. From Ghall Ieland to Cape Englioh the courto and dititanco are N. by E. $\ddagger$ E. 41 miles. Oape English is high tableland, torminatiag in a low rooky point, forming a basy, about a mile deep, to the eonthward of it: at the bottom of this bay is a low stony boeoh, within whioh is Holyrood Pond, ruinning to the E.N.E. abont 6 leagues; thia being within the oape gives it the appearapce of an island, when you are to the sonthward of it. From Cape English to Falso Oape the bearing and distanoe are N.E. 1 N. 14 miles ; ghd from Cape English to Point la Haye the bearing and distance are E.N.E. 61 miles. Point la Haye is low, and has a ledge of rocks oxtonding from it a quarter of a milo into the seaj and a mile along the shore, on whiok the coe breaks in bad weather. This is the only danger in the bey, and must be avoided.
From Point la Haje to Donble Road Point the learing and distance are E.N.E. $1 \frac{1}{\text { m miles. The land between is low and bears a barren appearance. Double Road }}$ Point is the pouthorn extrome of St. Mary's Harbour.

ST. MARY'8 HARROUR. - The entrance to this herbour is above a mile widé, formed by Doubio Romd Point on the south side; and Ellis Point on the north : within thew points the obranoldivideainto towo branchee, one to the S.E., into St. Mary'e Harbour, the other to the E.N.E., into what is named Mal Bay. When jou are within Ellis Point haul in to the monthward, and anohor abreast of the átages and houcoe, apon a flat, in 4 or 5 fathoms, whore you rill lio land-locked. This flat runs of abont half a shilo Arom the shore, and vithout it are from 15 to 40 fathoms over to the other side; tbut the beet anohorage is abont 2 milee above the towni whore it is above half a mile wido, apposite Brown'a Pond, whioh may be seen over the low betich on the starboied hand : here you will lio land-locked in 12 fathome water, and excollent ground all tho way up to the hoed of the bey.
IIAL BAY, on the E.N.E. branoh, is about $a$ milo wide, and about 2 miles derp, but thare is no good anohorage, a heary owrell conerally setting into it. Tho coant from Trapect Point trende N:I.E. I N., ebove a milet, to Shon Bay; opposite to the northern point of whioh liee Great Oollinet Icland, whioh is about a league in leogth and 14 milces broad; our either nide of it thore'in a mafe ohanal, taking oare to give Shoul Baj Point, whioh lies a mile distant from the ente end of Great Oollinet, a berth of a quertor of a milo,'to evoid some rocks which lie off that point On the northern ado of the inland is istony benoh, of Fhioh lies a bank Sorabout s quartar of a mile, on which are from 7 to 18 fathoma, rocky bottom., Little Oollinot Isiand is distant 2 miles mortheant mard fromi Great Oollinet, and is above one milo long and balf a mile beond it is surroundid by deep wator.
4. GBEAT BALMON BIVER - The ontrance of this river, lying 4 milee $\mathrm{E}_{\mathrm{i}}$ by $\mathrm{N}_{4}$ * from the northern part of Littio Collinet Island, is about threeqquarters of a nila wida, int at thio ue nourly bor oither dined here
I. 5 miles. inted with whioh every half visible to and long.
ilies ; and nde N.W. la about orn to tho
$i$ the enot bear from mes up of ond of Bt : Idand is ourse and inatiag in it: bt the unning to nce of an Oape the at la Haye an a ledge along the the bay, re E.N.E. ble Road
ind runt E.N.E. about 7 mile it cittle Harbour is an opening about 8 milod up thic tives, on its wouthern shore; opposite to which, in a emall cove, is the beit anohoragi in the river, although it is generality good througbout: here you may ride in sefoty in oforit fattoms water. As you advance up the river it becomes narrow, and towards fos fartbet ond becomes vary shallow.

OQLLINET BAY. The month of Coilinet Bay lies N.E. I E., at miles, from the noith point of Little Oollinot Island. . Thio bay rupe-in N.E. by N. about a miles, Where the point of an filard on Bhe starboard side narrowe the passage; it then widens agein towarde the top, where their is a sandy sbaliow beach. The anchoringe is good throughout the whole of this bay. Beiow the narrows you will have from 12 to 6 Athoms weter ; there are 1 aitd $B$ fachquis in passing the narrows, and above it $6, B$, and 4 fathoms, all good ground. Thore is a cove between Salmon River and Oollinet Bay, which is $1 \&$ miles deep, and has from 18 to 4 fathoms in it; but as it is exposed to the 8.W., it is not much resorted to.

The ontrance to. North Harbour lies W.S.W. 4 miles from Collinet Bay, and is about threequarters of a mile wide, and runs up to the northward 3 mileo. In it is very good anchorage, in aboht 5 or 6 fathomis wator, about 2 miles within tho entrance, where it is not above half \&́ miie wide; or you may run farther up, where two senidj pointa strotoh ont; being half a cable's lengih mander: koep tho atarboard point on board, and anchor close within the atarboard side. In ontering Nopth Harbour, always foop mid-ohantiel, for the easteith side is jomewhat ahallow.

Betwon North Hurbour a'd Point Lation'the coast trends W.S.W. $\frac{1}{2}$ 8., betweon which art one oritwo coves, bat no pisoe fit for sbipping. Point Lance is situettod in lat. $40^{\circ} 48^{\prime}$ and is a 10 riw rugged point; though the intprior oountry is comadorably ofovated. From Point Lance to Cape SE. Mary the bearing and distance are N.W. \&.W., about 67 thile).

OAPE ST. MARY.-This olape is the enit point of entrance into Pisoentis Bay. It is a pretty high bluff point; appearing somewhat like Oape St. Vincent on the coest of Portugai. At the distance of fuli two miles, W. by 8. from Oape Lance, lie the Buh and Oow Rooks; which are tivo fiat rocke, lying very noar ench other, had hating many small rocks about them. There is another rock, appeating at helf-tide, ahoiut oimifar distance, but nearer the main, between whioh and the ahore are 10 fathoms, and botween it and the Ball and Cow Rooks 15 fathomits In \& similiar dirsotion to the Ball and Cow Rocks from Cape Lance, but at 8 lenguen dititant; and neity 8.8. W., distant 7 miles from Cape 8t. Mafy, are two other little roold, apponving juit above thit surface of the water, and bating the sea obnstantly breiking ovor them; thoy lie 8.8.E. and N.N.W. from etwh othert, distant 8 cabled length; mid have 10 fathoths between them and the same depth of wator all round thom. exdepting towards the S.8.E., where, at 2 eabiet length off, ouly 6 fithoms will be found. There are 80, 25, ind 10 fathome betweon these rooks and Oape St. Mars, and near the-enje are 18, 14, and 15 fathoms. Vessels, therefore, may prooed betwien thiom, the Miso bitwoen the Bull and Oow Rooke and the main, if necoesary, for thére if ud hiddon danger; but perhaje it will always be more prudent to go to thb totuth that of both.
 peau Bouge on the webt dias, dind Oapjo SE Mary on the eatt side; which beht R.S.S. and W.N.W. from ench other, distant about 161 Iedgues.

Oape Onilpeat Howige ib. Iat. $40^{\circ} 54$ is the highest dad moot remarkeble Mad on this patt of the cotit: It apperis above the reet tontow what tike the otown of a hat,-


The direotion from Oape St. Mary to Point Breme is N. by E, abont 8 milet, and
 rocke upjecre abote witor, and lite about 11 mile fiom the minis. A liwdo to the southward of them there are some whitish olifisi in the land, by which that part of the
 How 8.J. W. From the Virgen Rooks, aidtat abont ohp millo.

Frome the Virgit Rotert to Point Voride, the oounto it N.E. by E. E E. ditencose miles. Point Verio is the south point of the ontrance into the Road of Plucmity,



it. At the end of this beech is a high rooky oliff, that extonds to the S.E. oorner of the bay, where it again terminates in a pebble bewoh. This boach rane E.N.E. one mile to the Fort Point: on the inside of it stande the town of Placentla, froing the 8.E. arm of the harbour. A little to the southward of the town is a high bill, with a remartable oliff in the middle of the beach. The outer point on the north, wide is level, with a olay cliff on the outer part. It bears from Point Verde N.E. by N. nearly, distant 1 f miles: from this; point the land forms a smull bay, with a stony beach round it, to the corner of the oliff under Signal Hill, this being the firat hill on the north side of the roid from this point. The aliff continues to Freshwator Bay, which is formed in a small vilioy between Signal Hill on the west, and Castle Hill on the enst, with a pebble beach round it. A small rivulet runs down this valley, where thips oan procure water.
To sail into the road coming from the southward, keep one league from the shore, in order to avoid the Gibraltar Rook, which lies W.S.W. from Point Verde, about 24 miles, with 8 feet water, on it. Near the bottom of Placentia Roed, on the north shore at the top of a hill, stand the ruine of a castle, dietinguishable far out at sea. So soon as the onstle comes open to the northward of Point Verde, you may, haul in for the oastle, taking oare to give Point Verde a berth of nearly 2 cablea' longth; and by keeping your lead going, you may borrow on the flat, which lies on the south shore; into tho depth of 4 fathoms; the soundings throughout "ire gradual. The best anohorage in the rond is under the Castle Hill, in about 6 fathoms water. There is a long beach at the bottom of the road, which torminates in a point to the northward, on whioh stand some houses and an old fortress ; there is also a fort on the opponite point. The entranoe into the harbour is between thene, and is very narrow, being not more than 60 fathomseciores, and the tide intd it runs more than four knots an hour. In the:entranoe you have 3i fathoms water; after you are within the narrows, it, is about bne-third of a milo brond, and about 11 miles long: here you may anohor in perfect safety, in 6 or 7 fathoms water. The tide rises 6 or 7 feet; and it is high wator, F. \& O., at 9 h .16 m . a.m.

The only dangers near Placentia are the Virgin Rooks and Gibraltar Rock, on the sonth, and Moll Rock on the north.

The Moll Rook bears from Point Verde N.E. $\frac{1}{2}$ E., distant 2 miles, and N.N.W. from Moll Point, three-quartais of a mile. There are only 12 feet of water on this rook, with 10 fathoms around it.
From, Point Verde to Point Latina the bearing and distanoe are N.E. by N. 64 miles. At the distance of a mile S.W. from Point Latina is the Wolf Rook, which lies about half a mile from the main, and between Pleoentia Harbour and Point Latina, and, therefore, must have a good berth in pasaing. The shore all the way is low near the sea, bat high and ragged inland. Point Roche is about a mile to the oastward of Point Latine, and has a shoal off it, extending a quarter of to milo
IITTLE PLACENTIA HARBOUR.-This harbour runs in to the southirard from Point Rooho; and S.E. by E. $\frac{1}{\text { E E. from Point Roohe, distant } 2 \text { miles, is the opposito, }}$ or Fox'e Point, whioh may be considersd to be the eastern entrance to Ptacontia Bound. The harbour of Little Plecontis lies on the wostern side of this cound; and oxtends. W. by $8_{\text {, }}$ about $1 \frac{1}{2}$ miloe, and is noarly half a mile broad.
There is excellent anohorage in this parbour, in a cove on the north ebore; this oove may be known byouthe weat point being woody, and the land to tho egotward bithg barren. Off the oust point of the cove lies a ahoal'for nearly, one-thind of the distanoe over to the south side of the harbour ; in this cove aso 7 and 8 fithome water.
Placentia Sound is are arm which rund in noarly a lopguo to the eastward; it hac deep wator, hut is littlo froquantod. Fox's Harbour is a small gandy covo, fit only for bonta.

From Point Latina to Ship Harbour, the coumso is E., distance bt mailos; this harbour runs up northerly 2 I milea, and is about half a mile broad. The beat anohorantrance: antrance.
Fox Itland is small and round, and lies N.E. I N. one laague from Point Latine, and N.W. by W. the same distance from Ship Harbout Poing a low stony'point, about 11 mines to the wentwand of Ship Harboux. Betwenn Fox Ifland and Ship

- oorner of I.N.E. one facing the sill, with a th side is J.E. by N. th a mtony ofirst hill rater Bay, tle Hill on ley, where the shore, , about $2 t$ the north ut at sea. y, haul in gth ; and th shore, ot anohoris a long hward, on opponite being not an hour. ows, it, is anchor in it is high k, on the N.N.W. $r$ on this
by N. 64 d, whioh nd Point 10 way is Ue to the f a milo ard from pponita, troontia and, and re ; this asstward dof the frthoms
; it hate only for
his har-anohorrom the

Harbour Point is a range of rooke, whioh In bad weather broak almost doross; between the rooke are 2t; 6,7 , and 10 fachoms water. N.N. W., 佥 miles, from Fox Tsland, is a steep rook above wator, named Fishing Rook; and N.N.E., $1 \frac{1}{2}$ miles from Fishing Booit, libe a mupken. rook, named Bowland's Rook, which almont alwaya break.

THE RAM ISLANDS.-Thoe are a oluster of high islande, lying about' 8 miles to the N.E. $\frac{3}{4}$ E. of Fox Island. Long Harbour lies on the enstorn aide of theed islande, and there is not the lonst danger in saillng into it The best anohorage is on the northern side, to the eastward of Harbour Island, between it and the main, where you will lie secure from all winde in 6 or 7 fathoms water.

The ehore from Long Harbour runs N.N.E.; N. by E., and North, a distance of fully 16 miles, in whioh apace thero is not the leasit sholter for vessols, nor scarcely for boate, until you reach Littie Harbour, Little South Harbour, and Great South Harbour. There are said to bo several low istands and rooks within this space: one of whioh, named the White Rock, from being oovered with the dung of bipds, lies N.E. by N. from Polnt Latine, dietant 18 milos, and direotly midway botweon Fox Ioland and Little Harbour, It is situated abreast of a small placo, named Tinny Cove, and fully 2 milea off tbe land: vessols pass on either side.

Little Harbour is amall, with 7 fathoms water; the ground is bad, and lios entiroly exposed to the S.W. wind, whioh heares in a very great nee.
LITTLE SOUTH HARBOUR lies one mile to the north-westward of Little Harbour, and has before its ontranoe eeveral rocky islande. In sailing into the harbour, you must leave these islands on your starboard hand, except one, on either side of whioh is a tafe passage of 15 fathoms watar. On the southern shore, within the ialands, is a sunken rock, about one oable's length from the shore, whioh generally breste; nearly opposito are also some rooks, about a oable's length from the shore, that how at halfebb. This harbour is abont $1 \frac{1}{2}$ milos long, and half a mile wide, with 7 fathoms water, good bottom.

GREAT SOUTH HARBODR lies ebout a mile to the northward of Little South Harbour. There is no danger in sailing into it; and near the head is very good anohorage in 3 and $y$ fathoms water. To the westward of Great South Harbour is Inlo an Bordeaur, a higs round island near the main.
OOME-BY-OHANOE HARBOOR. -The entranoe jnto Oomo-by-Chance Hímbour lipe N.N.E. 1 miles from Islo au Bordeanx, and runs up N.E. by E. 8 miles. In it a0e from 20 to 8 fathoms water, Bandy bottom; but it is entirely exposed to the 8.W. wind, whioh hearen in a very great awoll.

NORTH HARBOUR. - The ontrence of this harbour lies about 8 miles N.N.W. from the entranoe of Come-by-Chance. About two miles from the entrance there is good anohorage in of fathoms water, and no dainger in sailing in.

PIPER'S HOLEE.-The entranoe to Piper's Hole lies N.W. by N. \& $\frac{1}{2}$ miles from the ontranoe to North Harbour. The ohannoll in lies between Sound Island and the main, and in it you will have 19, 15, and 12 fathoms, and when to the northward of the island 8,7 , and 6 fathoma. From honoe Piporia Holo rune top to the northward full 5 mileas but the water is shalloy and unfit for ahipping. Sound, Woody, and Barron Islands lio in a south-westerly direotion from Pipor'a Hole, and botween them end the north-westorn ahore there if a ohannel half a mile wide, in which are from 7 to 20 fathoms, and good anohorage all the way. There is a paesage with from 7 to 16 fathome botweon Weody and Sound Island, but there is a muoh wider and deoper pacsage betreen Woody and Barren Island, in whioh thore aro 40 and 50 fathome. There is a amall oove, named La. Plant, oppocite the northoin part of Berron Island; but it is fit only for boats. Barren Icland is about 81 milas in longth, and one in breadth; it is high land, and there is a mimall oove at it south-eastern part, in whioh tolorable anohorage may be got in from 8 to 16 fathoms. Gulsh is an unimportant iniot lying N.W. by W. from the eouthern part of Barren Ialand; and farther. 8.W. are Greet and Little Sandy Harboura:

GREATSANDY RARBOWR - At the dintano of 4 - mite W- 1 - from tho wouk
 harbour idivery natrow, and is much enoumbered with rocks, which are all abote metar, and hare ohannele beticen them; but when you get within tho barboar thewe. ano 6 and $x$ fathomes, and good sholige'

LITILE BANDY HARBOUR is one-quartor of a mile to the southward of the Great. Harbour. In It you bave 6 and $\%$ Rahome water, good botintm but in mailing triyou ohould pase to the northwand of a low rook, whioh liew at the ontranco.
This herbour may be kriown by the island named Bell Island, whieh lies \&.E. E. 11 miles from the mouth of it, and N.E. by N. 18 milees from the west point of Moracheen Island, Off the couth point of tibe loland is a romarkable pools ; and the Inland iteolf is said to recemble a bell with the bottom upwarde honos the name.
To the 8.W. by: 8. from Bell Imland' he the Burgoo Islands, and farther to the couthward the White Ielende.
CLATISE HARBOUR.-This harbour is situatod on the main within the Great Inle of Valon, and fise ontranios liee S.W.-by W. about 5 miles from the Bargoe Iolenda: The shore all elong from the Bandy, Harbours is atcep-to, and the paesags to the harbour in about threoquartore of a mile wide; with 40 and 00 fithoms water; but ths cove itself is very narrow. The best anchorafe is in the western branoh; Which is a mile long, but not a guartor of a mile brond, in it are from 10 to 17 fathome mator; good bottom. Botwoot Great and Littlo Valon Islands and the main, there is aldo a good obannel from tho southward, with 20,80 , and 00 fathoms in it.

Grammer's Rooks are a olustor of low rocks, above water, lying E. by N. I N. It milet from the northern ond of Great Valon Isiand. Betireen Greut and Littlo Velen Ialands thero is a passage, whioh is, however, oncumberod with soveral rocks.

MERASHEEN IBLAND.-This Ieland is high aid vory narrow ard funs to the N.E. by H. tuther more thing 6 leagues. At the south-westorn part is 'a simill but very good harbour, in whigh are frome to 10 fethoms wator. To sail into it,' keop the starbourd thore on board, th orier to avof a sanken rook lying one cablo'l longth of. a ragrod rooky point on the port hand going in. A small olustor of rooks lies off the couth-eactorn patt of Mer sheon, threequartert of e mile fromishore: these lie betweon it and Bod Iflend. A large olustor of roelts and iolands; named the Ragged Ielands, lie off its northern shores.

RED JBLAND, $=$ Rod Teldid is high and berron, about 41 milios long, and 24
 N. 16 Werued from Moritir Howd, On the binst side, near the northern end, is a mall hariour, whigh is only fit for shailops. At the alistance of 7 miles, direotly N.E. from Rod Ialind, lies the maln body of Long Ielands and midway betwien them is Woody leleci, bf the B. W: ond of whioh are two small rooks above watory With the excoption of these two rooki, the pacoage betweon Red and Woody Ishand is olear from dangers, and neariy 8 miles wide. The chapsel betifoon Woody ard


LONG I8LAND.-From Point Itition to the wouth polnt of long Ieland, the courso is N. I E. 181 miles. Its longth it netriy 8 leagnet, but its brewath is noWhere muth sboive one milis. The coithern point of the isiand is formed of romarkably higt moop roolis; and off it lie Iron Istemd atd a smill rook above wator?.
Ot the dentortatio of Mornincoa Ifitud, at 4 miles N.W. by W. from the southern peint of the inland, is Inilici Herbowr, formed by a eman iliand, on oither ofle of Whioh is wate preseg. The oniy anohorteg is to the wottinaid of the islathd; botween it wad Mortitheon, and here the ground is uncertain.

Harbonr Buffet lies on the cece cide of Long Inland, about 21 milon from the south point, and is tolercibly sud: tho emrance to it is siarrow, but has 18 fecthowts wator fa'it. There are two and in this harbour, one ranning to the wetwicit, the other to the northwed: the beot enoliorage is in the north arm, in fobout 15 fathomis Whap. This harbour may bo kown by the illands that he in, ehe oritravice, and to the couthmed of it, end by Harbour Buffet Inland, whioh liee E. 1 . 8. one mills
 ftor mouth.
About 4 milos from tho south point of Long Intand, on the westorr edid, lies Muscle Berbour. The entrenoe into the harboir live botivian a low green point on
 ctooring for thio plece may rith in betwean Wobdy ard Iron Isfands frown th south-
 eruale there are tome roold to be guariod gitimitt, which lie nearly mideobitind
ard of the in mailing tu00. dee 8.E. at point of If ind the name. ner to the
the Great - Bargoe 10 presage ms water; $n$ brauch, 7 fathoms a , there is
r. I N. 1 ttlo Valen nin to the mill but o it, keep of longth ks hiee of these lie - Ragged s, ond 24 nd E, by ond, is a directly between vo waters Y Iolanda oody and
land, thie the is no somarktors. southom r side of latid, bo-
he south we witor hif other fethotin 0 , and to one millo dínds at
 point on 17 miles Yoonole resonthhe' hattor ohtinitel V wate
to the north-eintward of Long Ioland, callod the Bread and Buttor Islanda, btat theme Mre always visible, and steep-to.
At thedintanoe of 4 miles, W.N.W. $\frac{1}{4}$ N., from the wouth-weatern point of Merasheen Island, lies the little harbour of 'Presque, in whioh the wator is sufficiently deep, but there are so many rooke ebout ite entrance, that mocess to it is rendered very diffioulc. The Bleck Rook lies 2 milos 8.W. $\frac{1}{2}$ W. from Preeque, and a quatior of is mile within this rook thore is a sunken rook. The Ieland of Marticot liee 2 milees woet' from the Blaok Rook and is abouts mila in longth, and half a milo broad. The harboure of La Perche and Littlo and.Grant Paradieo-lie within the Black Rook and Martioot Iolend.
LA PEROEEE runs in to the northwand of the Biack Rook. There is no mefe onchorage in it, the ground boing bind, and the harbour itealf lying ontirely oxponed to the south-ent winds. To tho northward of the oust point of Martioot Isiand and to the westward of La Peroho lied Little Paradise, in whichuthe only safo machorage it in a oore, at the head of the harbour, on .the port side, where you may, moor to the shore, and lie land-locked. The harbour of Great Paradifo is only fit for boats, and lies to the westward of Little Paradico. Between Mar toot end the main jo Pot Ialand: there is a sate paseage for ressole between thdeo isfands, with not lopl than 9 fathoms, wator, but thore is no payage between Fox Islavid ynd the main.

PARADI8E BOUND.-About a milo to the weatirid of Fox Ielind, is the ontrance to Paradice Sound, whioh runs up N.E. by ESY Thaguer, and is about a mile broad. There is very deep whtor in it, but until yetre get neacite'head, there if noinfe anohorage. Just within the ontrance on the egit side is a cove, in which there are 10 fathoms, and seroral rooks above water, but it is not safe to anohor, the bottom boing rooky. There is a suinken rook, whioh must be sioided, in peeoing to the/north-weetrard of Fox Island. Long Island lies to the south-weatrand of Paradies Sound, and runs W.S.W. $\frac{1}{1}$ 8. about $8 \frac{1}{2}$ milos : it is, for the most part, high land, making in eoveral peaks:

Potit Fort Harbour lies at the distanoe of a mile to the westward of Paradise Sound. It is a vory good harbour, having in it from 14 to 7 fathoms water good bottom. The entrance is rather more than a quartor of a mile wide, and lies N.E. 5 milee from the sonth pointof Long Inland, and N. by E. 24 miles from the north point of Long Island. There is not the loaet danger in eailiug into this harbour: the beet anchorage is on the ctarboard dida. The S.E. winds hoave in is great arrell on the weat shore when they blow hard.
3 About $1 \frac{1}{2}$ nilles to the wratward of Potit Fort Harbour lies Monsuoh Harbour, about the mouth of whioh there are eevoral inlends, but no mafo anohorage till you got vithin

Oape Royer Harbour lies at the diatence of 17 miles to the weetrard of Nonsuch Harbour, and clowe to the weetraid of Cape Bogor, a high round bairron heed, lying N. $\frac{1}{2}$ E. 81 milen from the wouth point of Long Ieland. There are eovaral low roeks and inlande lying off the ceast point of the entrance. In the harbour, at a quarter of a milo within jthe ontrance on the west eide, thore is a small island having to the morthwand, betricen It and the main, very good anohorage in 7 or 8 fathonts watar; or you muy fun firther up, and enohor in 8 or 7 fathoms.
Ivo milis N.N.W. from the eouth point of Fone Ieland, lies a sunall islet named Grean Irland, with a shoal all round it, to nearly a cablob longth.
GREAT GALLCOWS HARBOUB.-From Green Iglend NN.W. 21 milee, lies Great Gallows Harbour Leland, which is a high land. Vemole may pase on eithar side of thid feland into Great Gallown Harbour, which live one mile to the E.N.E. of the iniand. In thic harbour is exonedingly good anchorage in 7 fathoms Fetor, on the
 herth, in ordor toic void a rook covered af high wator.

Littlo Gallowt Harbour liee cloce mound to the castward of Great Gillows Has bour, and is only fit for amall reecole, whioh must lio moored to the dhore, above a rook whiok is above mator, on thie' port hand, A nerrow neek of land only divides
 harbour.
Little. Herbour is the first harboar to the wectratd of Groat Gallown Jarboury but It is onlr ft for boett.



$$
\omega
$$

rather more then a league. There is doep water in it all the way up, except at its head where there appears a sandy beach; here vessels may ride in 8 fathoms.

Boat Harbour liee round the western point of Bay de likau, off which is a rock above witter. It rups up N.E. cae league, and has deep water to within half a mile of the head. The const from Boat Harbour, funs couth-westwand to Bane Harbour, Thich lies on the main and is fronted by soveral islands, the largest of which, named Oross Island, is. high and woody and about at miles in length, by one in brieadth. Betwoen Crome Ieland and the main are soveral other islanda.

BANE HARBOUR is anrexceedingly good harbour for imall veneels: the passage into it is very narrow, and has in it 2 fathome water, but when in there is suffioient room to moor in 8 fathoms, good bottom. Between all these inlands there are good ohannols, by whioh veseels may pass to the harbours to the northward. Reshoon lies 14 miles 8.W. from Bane Harbour, but is too shallow for any veasel; and about the same. distance from Reshoon is Broad Cove, lying to the north-eastward of a point of land which jate out, nemed Broad Cove Hoed. In Brond Cove there is very good anohorage, in 8 or 9 fithoms wator.

RED HARBOUR is a good harbour lying at the distance of 8 miles from Broad Cove Head. In it are 17, 18, and 9 falhoms, but it is too open to the southward. At the distanos of 暗 milen 8.W. from Red Harbour, and situated on the main, is John-che-Bay; in your passage to which, and nearly mid-ohannel, between Flat Islande and the shore, is a cluater of small ialands, with doep water all round them; and farther on, near the land, is a rock above water, on either eide of which you may ecil. The channel between it and the lind is narrow, and has. 17 fathoms; that on the eastern or onter side, has 18, 25, and 126 fathoms, and leads directly out to Placontia Bay.

AUDIEBIE ISLAND lies half a mile to the northward of Cape Judes or Middle Island, afím has on its west side a tolerably good harbour. Veseels bound for this harbour may pass between Cape Judas and Audierne Island, and between Crow and Patrick' Island, two manil ioflands lying off the B.W. point of Audierne Island. About one eable's length from Audierne Itland, to the monthward of the harbour, is a sunken rook; the mark for clearing it, when coming from the eouthward, is not to haul in for the harbour till you open remarkable green point on the south side of the harbour. The bett anchorage is on the north ehore, just within a small island. A spit of rooks, covered at high water, stretchee of the Green Point on the south shore.

Off the cmotera point of Andierne Icland is a omall inland, named Ford'e Inland, having a munlfon rook on ite weotorn aide at about a oable's length diatant, and another on thip pant side; both of whioh almost alwas, break.

At $1 \frac{1}{1}$ mile W. by N. from. Ford's Island lies Green IAlend, off whioh is a little rocky. ialot, and another off its weatern onds. There is deap water all round it, 11 fathoms close to the rooky isleta, yo fethome betwmen it and. Ford'e Ioland, 78 and 60 fathoms between it and Long Ialand, and atill deaper metor towards the Gallow: Harbouss.

The Seddlo-back is a amall inland lyitg E.N.E. 1 E. 81 leagues from Corbin Head; E. by N. 16 miles from Mortior Went Point; and E. by S. 8 leagues from John-the-Bay Point. This is the outermont of a great number of rocks and amall islands lying between it and the main, thereby rendering this part of the coast very dangerone. Thare is a ohain of rooks stretohing $1 \frac{1}{2}$ miles to the N.E.by E. from the Beddlo-beok.

OAPE JUDA8, or MIDDLE IBLAND, is an island about 21 miles in longth, and 2 in its greatent breadth. It lies $1 \frac{1}{3}$ miles to the north of the Gaddle-beok, and has on fits south ond a romarkable round hill, named the Cape. Between thit inland and the main is a olustor of illands and low rooks, wlth is groet number of sunken rookis abont thom, named the Flat Islande, the innermont of whioh liod about a mile from the main. "i.
 John-the-Bay Point, liee John-the-Bay, in whioh is tolerably good anchorage in abont 8 fathome wator, with sandy bottom.

From Johnotho-Bay Point to M ortior East Point the courso is S.W. \& W., ditatant 8 milea. At 8 milee S.W. by W. from John-the-Bay Polnt is Bock Harbountwhioh is fit only for boato, on woount of the infinite number of rooks in it, both above and
under water, Potweon John-tho-Bay Point and Rodk Harbour, lie two munken' rooks, half a mile from the shore.

MORTIER BAY.-Two miles W.S.W. from Rook Herbour is the entranoe into Mortier Bay. On the West eide of the entrance is a smalr harbour, named Beanbois, in whion'there are only 9 foet at low water. The eourse into Mortior Bay is N.N.E. for abont 2 miles, and in it there are from 50 to 70 fathome water; the lapdion exch. sldo boing high; it then rune to tho wentward about 2 miles, and is nearic 2 mileo Wide. In the S.W. oorngr of the bay is a niver, which ruys to the S.W. about 61 miles. On the oast side, at about 8 miles frome the, ontranof, is an exoeedingly good harbour, named 8panish Room, in whioh you may anohor in from 4 to 6 fathome water, good bottom, and lie esoure from all winds: There is not the least danger in sailing into this harbour, giving the low rooks above water at the entrance on the port hand a berth of one oable's length.
Oroney Point and Island lie about at miles from the entrance of Mortier Bay. At about 2 miles farther couthward, and abopt a mile wentward of Mortier Eant Point, is Little Mortier Bay, on the weat ajide of which, near the ontranoe, is a amall round ialand, named Mortior Island, whioh is bold-to all round, and may bo paised on either side. Clowe to the first point, beyond this island on the same side, is snother sunall island, and abont 2 cables' length from this island, in a line from Mortier Island; is a sunken rook, on which the eat branks in bad weather. At the bottom of the bey, on the enst side, hies Fox Cove, in whioh is very good anohorage, and toom for one ahip to moor in $\theta$ fathoine, good bolding ground; this cove is open to the ees, from S.B.E. to S.F. The harbour of Little Mortier liee on the west side, and is a toleraple plave for small rowsels, but they must moor, to the ahore: in the entrinoe yon have $\gamma$ fathoms water, but only 2 in the harbour ; off the starboand point, going in, is a rook-whioh is covered at higt water.
Mortior WoetHead lies if miles 8.W. by W. from Mortier Eact Point, and a mile beyoud it it Iron Icland. At 2 leaguee S.E. E. from Iron Ifiand, and B.W. \%iw. 6 loaguees from Oape Judes, lies the Mortier Bank, the shoal part of whioh is about one league over, and hats not more than 4 fethome on it In bed weathor the see breaks very high on it.
Iron Igland is a small high ioland. There is a rook under wator ofl its 8.W. point; at threo-quarters of a mile to the wouthward of it ie Gregory's Rook; B. I W. a quartor of a milo from which is a ahoal named Galloping Androwe; and S.E. by E: one mile from Iron. Isiand is the Whito Horse, a ahoal haring 8 fathome on it.
GREAT AND LITTLE BURIN HARBOURS.-The B.E. point of Groat Burin Island lies 8.W., W. one league from Irom Island, and W. N. W. It pilles from it, is the north part of Pardy'e Islend. The harbours of Great and Litele Burin lie on the main within thevo islands. Vemole bound for the harboura of Bririn, may pame on oither side of Iron INland, the only danger in pewing to the northward boing the ledge, named thejBrandy, whiah amoet always break; they lie nearly a quartiar of a mile to the southward of a low rook aubve water, olose under the land of Mortior Weat Head. If the Find should tate you ahemd after you are vithin Iron Ieland; talke care to leep. Mortior Weat Head open to the weatward of Iron Island, in order to avoid Gregory's Rock, on which are only 2 fithome wator, and which gonerally breake Vemoll may paiz with sefoty botwoen this took and Iron Ioland; thring, eare to give Iron Islend a borth of one cable's length.
On the main, within Pandy's Island, are two oonapiouous white marks in the rookik the northeramost of which brought on with the north part of Pardy's Inland and Iron Island N:E. $\frac{1}{1}$ N., will lendion the Galioping Androws, a thoul with $\delta$, tachome of water on it.
Grett Burin Island lles N.N.E. and S.S.W.; it is 8 miles long, and high land., Abont a quarter of a mile from the onatornmost part of Great Burin I Iland liee the Dodding Rook; and near the south ond of the ieland is Gat Ioland, whiol is high and round, and lies E.N.E., about 4 miles, from Corbin Hedd. Bromi Corbin Ifead to Shalloway Pcint the bearing and dictanco are N.E. + N. 4 miles. Botweon themi and nearly in the same direotion, lie Corbin and Little Burin Inlands, both high and round, not tmore than a eable'e lendth from the thore.
Sandlowny Ioland Hoe N.N.W. \& W, nearly a mile from Cat Island, and N.E. by E. a quarter of a mile from Littlo Burin Itland: the pasgage into Buirin Harhouty, from the sonthward, lies to the weatward of Şhalioway Ibland.

## 40 (FROM OAPE RAOE TO CAPE CHAPEAU ROUGE.

In aciling in, take oare to girr Poor Island a berth on jour port hand; and when within Shalloway Islend, you may anohor in safety between it and Oreat Burin. Island, in from 12 to 18 fathomi. The best anchorage in Great Burin Harbour is in Ship Cove. The courne up to itidaftor you are within Nook Point, which is to the westward of the Shallowny Ieland, is N.N.E. about $1 \frac{1}{\text { in milen. It is about a quartor }}$ of a milo wide. In sailing up, reep the weat ahore on hoard, in order to aroid a gankon rook on the eastorn ehore, at Ahout balf way up, and ybout a cable's longth from the shore Direotly off this thgre is a remarkable hole in the rook, on the same side; and gully in the land, from top to bottom, oh the weetern ehore. Anothor rook, with $2+$ fathoms on it, lies above a eablo's length to the S.W. of Harbour Point, whioh is round and green, and of moderate haight, joined to Great Burin Ieland by - low, nerrow, sandy nook.

Burin Bay is about a mile N.N.E, of Little Burin Island: it is clear, and about a mile wide every way: here ships may occarionally anohor, and lie almont land-looked. In this, bay are two islande, one called Poor Islend, low and barren; the other, which ig. high and roody, lies to the northward, before the entrance of Burin Inlet.

BURIN INLET may be entered on ofther side of the ialand; it extande np 5 milos : a little within the entrance on the oest side, balf a oable'se length from the ghore, is a rock covered at three-quarters flood; and $1 \frac{1}{\text { a }}$ milee from the entrance; near the middle, is another rook, to the westwand of which is good room, and good anohorege, in from 7 to 12 fathoms. There are 15 fathoms in the entrance; and, in the middle, two miled up, 16 to 23 fathoms; and thence up to the head are from 10 to $B$ fathome.

The east peasage in in between Pardy's Itand and Iron Island; but is not gafe without a commanding wind, betreen the N.N.E. and S.E.

Corbin Harbour is about a mile to the northward of Oorbin Head, and is a good herbour for small vensole At a quarter of a mile eatetrard from this harbour, and 2 cagblew lonigth frome the shore, is a sunken rock, of 5 or 6 feet watar, on whioh the sea broake in bed weather. Vessoff bound for this harbour must aleo avoid a ahoal of 2 fathoms wetor, which liee E.S.E. from the south point of thelentrance about half a mile. The best anchorage is in the north arm, about half a mile within the ontrance, oppodto wicoive on the starboard side.

- Alultar Iod is a high hill in shape of a eagar-loaf off which, to the south-wentwhard; lier an mall rock, ander water, olose in fith the land. From Sauker Hoad to Oapo Ohappan Rouge, the bearing and diatance aro Went, 4 miles; between lie the harbours of Great and Littlo 8t. Lawronce.
IITYTLE ST. LAAWRENOE lien to the eactward of the Great SL Lawrenoe. To sail into it you should keop the weut-ahore on board, in ordor to aroid a sunken rook Whiok lien \& little without the point of the peninsula, which stretohes off from the cent rite of the Harbour The bett anohorage is in 8 of 4 fathorns water, on a fine andy bottom, above the peninsula, which sholtore you from all winde; there is also anohotage without the peninsule in 12 or 14 fathome, on good ground, but ontirely operi to the 8.8.E. winda. In this harbour are good fishiog convenienoen, and plenty of wood and watera.

GREAT ET. IAWRENOE-This harbour lies oloed to the emetward of Cape Onspean Ronje: To sail into. it, you chould bo careful with wenterly, and partioularly with 8.W. Finde, not to como too near the Het. Mountain, in order to aroid the flurries and elay minde nnder the high land** There is no dariger but what lies very near the ahore, and the coourse in is first N.N.W. till you open the upper part of the harbout, them Nit.W. to the head of it. The beat plece for large shipe to enohor is before a oove on the eant alde of the harbonr, a little above Blue Beach Point, whioh it the fatu poipt on tho weat adde; Where you miey lio in 18 or 18 fathome wetor on good gegme, only tro pointe open. Thore is also anohorage any whore between this point and the point of Low, Bewch on the rame aide near the head of the harbour, obencinis, that the frourd near the weet shore is not 20 good as the ground on the
 from all winde.
Gardix Beyc, on whioh there are from 7 to 17 fathoms water, lice about helf a mille bff the entrevies of Little St. Lawrence, with Blue Beach Point on with the oant

and when at Burin bour is in is to the a quartor o aroid a on length the same Another sur Point, Icland by
d about a nd-locked. er, which nds op 6 from the nnce; near and good i; and, in - from 10 - not safe is a good our, and 2 whioh the id a shonl neo about within the
outh-westin Head to man lie the once. To inken rock from the ; on $\rightarrow$ flo are is aleo tit ontiroly und plenty

## d of Capo

 artioularly aroid the 4 lien very part of the anohor is vint, whioh - wetori on trweon thite is harbour, und on the I, abolturatbout half a th the onat

## CAPE CHAPEAU ROUGE to CAPE RAX.

Abour one mile.W.S.W: from Cape Ohapeau Rouge in Ferryland Hema, a high rooky ialand, just separated from thamain ; this together with Oape Obapeau Rouge serres as excellent marks for the 8t: Lavronce Harbouns.

Laun Bay lies W. N.W. 5 miles from. Ferryland Hoad, and has in the bottom of it two small inlots, named Great and Littlo Lann: the lattor, whioh is the easternmost;' lies open to the S.W. winde, and therofore is no plece for enchorage. Great Latin lies in about N.E. bJ N. $\delta$ miles ; it is nearly half a mile wide, and has from 14 to 8 fathoms wator : in maliling in, bo oareful to avoit a sunken rock, which lice abouk a quarter of a mile off the oast point. The beot anohorage is on tho oast side, about half a mile from the homd, in 6 and 5 fathome, tolorably good bottom, and opephonly to south and S. by W. winds, which oause a great wwoll. The hend of this pitoe fis a bar harbour, where boats can acoend at half tido, and And oonveniences for fining with both wood and water.

Laun'Islands lio of the weot point of Lian Bay, not far from the shore; the Westernmost and outormost of them lies W.N.W., westorly, 10 miles from Perrylayd Head. Nearly a quarter of a mile to the sonthward of this fland is a rock, ovet which the ses breaks in very bad weather. There are other sunken rocks about theos islauds, but not dangerous, being rery near the shore.
Taplore Be about 8 miles to the westward of Laun Tolands, is open to sonverd. Of the ${ }^{\prime}$ int are some rocks, nearly.s quarter of a mife from the shore.
Poi Guals is s low, nairow point of land, which stretohes ouf a little to the woot ylor' Bay. A rock; above water, liow of it at half a mile from the shore, initist Gauls Shag Rook, which beare from Ferryland Head W.N.W. $\bar{z}$ IT. 6 leagues : there are 14 fathome olose to the offeide of it, but eome rocks on'fte infacid.

From Point Aux Gauls Shag Rook to the Lamelin Islands, tho bearing ind distanco are N.W. by W. a teigute: betweon lo the Bay of Lamelin, which is unfit for shipping, boing shallow, and hating soveral islands and rooke aboat it' The river at the bottoth of the bay abounde with ealimon. Noar the bouth point of the westemmoot Lamolín Ioland is a rook high above wator, namod Lamelin Shig Root.
From Lamolin Shay Rock to Point May, the distance $\frac{1}{} 8$ miles: betwion lie the Lamolin Ledges, whioh are very dangoroue, some of them Bbing 3 milies from the liand. To avold them, in the dij-time, you should not bring tho Lamolin Islands to the nouthwand of E.E.E. until Poiat May boars N.E. by N., when yout may oteor northwhrd betiveen Point Miy and Green Ioland with gafety. By night, approtoch no nearer than in 80 fathome wator.
When navigiting this part of the conat, it is well to observe the sppeariace of the land, for Oinpoaur Rovge and Lana are very high and hily clowe to tho ted; from Laun Islande; to Lamellin, the land is only moderately high; bnt from Lamelinitd Point May, near the shore, it is low, whe botches of shad, while inliand it becomem motintainous ${ }^{\text {? }}$
Chapean Rouge, is abont 4 leagues in clerro, lying at 11 loagoes Wi by N. from Oapo Chapena Rouge, is about 4 leagues in circuit, and barren in the oxtreme, consinting of a mine of rugged-hummoelis rising to aheight of 400 or 600 foet difoetty from the man, and deatitate of treos: On coming from the weetrard, Galintry Foid, the sonth: omet point of the islind,' makse in a round hummook, and the land roar it being low. gives it the appearanoe of a omall faland; it may alco be reoognited by itis Atodilights, Whioh is visible 18 milice off The port is on the onstern tide of the fitana, ftionly
 or Dog Ioland, enstward of which are two other iolande and woverty fool 4 the
 rooke, but in mid-ohaniel aro $0 ; 4,81,5 ;$ stad of fathome. Tho harbour fs remath, thi
 at 10 w water, and 12 or 14 at high wuttor.

This yood lie ot the N.W. side of Dog Ioland, and will edmit ohips of ant btrabom in 8,10 or 18 fathoms wator. Tho bets arioporige is on the north side; hiti fn gumenal If in rooly, and drpoped to the N.E. Winda Bo oantloue, in going in or out at come otakem rook, whoh lio about a millo E:S.E. fom Vainquicur Iolang, whioh fis tho cuvermant of the iallande above mentiotibd.

Upon Ganon Peint, on the north side of the entrance to the inner harbour, in latitude $46^{\circ} 46^{\prime} 52^{\prime \prime} \mathrm{N}$., longitude $50^{\circ} 7^{\prime} 28^{\prime \prime}$ W., is a lighthouse, with a fixed light, about a quarter of a mile ceastward of the town, which is fopt up from the lot May to the 15th Novemther' With the lighthouse bearing W. by N. or W. 1 N. about two cablee' length; Pro ip anchorage in bt add 6 fathoms.

THCISLAND OF COLOMBIER liee Yery near to the N.E. point of Bt. Pierre, and is rather high : betweep them is passage ono-third of a mile wide, with 12 fathoms water. On the north cide of the island is a rock, named. Little Oolombier; and about one quarter of a mile E.N.E. from it is a suingen rook; named Basee du Colombier, with 2 fathomen it.

GREEN ISLAND is about threequarters of a mile in circuit, and low: it lies E.N.E. about 5 miles from $8 t$. Pierre, and nearly in the middle of the ohannol between it and Point May, on Nevfoundlapd. On its sonth side are several rocks above and under water; extending $1 \frac{1}{4}$ miles to the W,B.W.
 with a passage of about 8 mile vide between, free from dapger. It is about 8 leagues in circuit, of a moderite and aqual height, excepting at the north ond, whioh is a low point with sand-hills ; of which, on both sides, it is flat a little way; bat every other part of the islend is bold-to. Thes is anchorage on the N.E. side of the istand, pear Beal Cove, in 6 or 6 fathomis, ia little to the eputhward of the mand-hills, on a fine sandy hottom.
zareycions is joined to Langley; by a long, narrow range of ánd-hills, having a beach on each side. Miquelon is 4 leagues in longth from north to south, and about p miles in breadth at the wideet part. Theimiddle of the isfand is high land, pamed the High Lande of Dunne ; but down by the shore it is low, excepting Oape Miquelon, which is a lofty promontory at the northern extiemity of the island. On the 8. 1 . wide of the inland is the little harbour of Dunneis ber harbour admitting flahing-thaillops at half-flood, but no way ocloulated for ohipping.

Some rocke, netned the Miquclon Rocke, extend off from the eastorn poinf of the island, under the-high land, 17 miles"to the eactward; come are above and epme under. watar; the oufori lost ara above water, and thert gre 12 fathoms water oloof ta them; with 18 and 20 a mile off. At N.E. 1 E.about 4 miles from them, liet the Miquelon Bank, on which are 6 fathoms water. -
*The ohief roadstead of the inland is large and apeciopg; it lies towarde the north' 'end, and on the east ide of the ialand between Cape Miqualon and Chapean, whioh is a very romariable round mountain near the ahore, off- whioh are some nünken rocks at a short diatance, but everywhere else it is clear of danger. The boat anchorage is in 6 or 7 fathoms, near tha bottom of the road, on fine tandy bottom, but exposed to easteriy winds, whioh bring in a hourr eos ; the mark is, the signaletaff in one with the ohureh, in aioh $\boldsymbol{y}$ ponition as to hide 8 Soldier's Point by Chatto Point.

The Seal Rocks, two in number, are above water, and lic about 11 leaguen off from the north-west "ride of Miquelon. The paseage between them and the inland is vory anfo, and there are 14 or 15 fothoms wator within a oable's length all reund them.

The ingads of 8t. Piorre, Lengley, and Miquolon, wore ceded to Franoe by England, on condition that no forta ehould be hivilt on aither; that no more then ffty men of regular troope should bo kopt there; d that they ahould have no military stores, or. cannon oapable of making, a defoncor Luring the lato houtilitios, these inles wore innetied to the Government of Mowfoundland, having been taken poneection of by the Britigh forcee in May, 1798 ; but they have bean restored to France, on the original - coonditions, by the trenty of 181 .

Homyon for Point May has a rooky inlot at its point, and from thenco the land turne N. N.E. towards Dantzio Covó and Point, and thonoo E.N.E. towardo Fortune Heint.
 Betweon them is the entranoe to Fortune Bay, Which ls about $\mathbf{8}$ or 28 lengues deep,
the
thare is tolarable anchorage for ships, in 14 or 18 , fathome wator, shaltered from southerily and weeteriy winds. In the bottom of the bay, at about a quarter of a mile from the shore, are some rocks, which must be avoided. Opposite to this bay, on the south-weat side of the island, is a smill cove', with of fathomis water. The islands lying off tho wost ond of Brunet, to the gouthinird, are named the Little Brknets fand , with Brunet, may be approdehgd witbin 4 quarter of mile all round.

The Plate Ielandsare throe roci islets, of a modarate height, the nearect of which lies W.A.W. one league from the'west end of Great Brunet. The southerrimost it about 2 miles farther off; and bears from Cape Miquelen E. $\frac{1}{2}$ S. 8 : leagues; and in a direct line botweon Point May and Paes Inland, 17 miles from the formor, and 10 milos from the latter. E.S.E., a quarter of mile from the Great Plate (whioh is tho northernmot) is a suiken roek, over whioh the sea breaks, and this is tho only danger about them.

There are eaveral strong end irregular setting of the tide, or currents, about the Plate and Brunet Islands, which soam to have no dependence ons the moon and the course of the tidds on the eosast

Sagona Iannd, which lies N.E., 2 leaguee, from the eant end of Brunet, is abouta mile across ench way, of a maiderate haight, and bold-to all round. On ;ite westorn side there is in amell ereek admitting fishing shallops, in the middle of the entranoe ito which is os sunken rock, rendering if difficult of acoess, exoejit in very fine wouther. A. sand-bank sumpunds thio island, Funaing weaterly full 7 miles, upon which áre 14, 17, and 20 fothome wator. :

Point May, the southern oxtremity of Fprtane Bay, and the 8.W, extremity of this part of Newfoundland, miy be knowi by a great black rock, netrly joining to the pitoh of the poitt, and a little highor than the Tand; which mallea it look like a bleck hummook on the point. At about a quartar of a mile from thiil bleck rook are threo eunken rocks, over which the sea always breaks.
DANTZIC COVES - N by E. 1 tmiles from Point May ia Little Deatio doro; and 2 milles farther is Great Dantrio Cove. Froch Dantzio Point (which is the riofth point of the coves) to Fortune Hemd, the bearing and distance are E.N. K. 2t leagien; and thence to the Villa of Fortuad 1 t milen S.E. By E. Thia te a fithingtrillage;
 mearly half the complace: It liee S.8.W, from the eantiend of Brungt, To dio KN. weatwand of Dantzio Point is tha long derrow Bank of Jernayminis, with 24 and 25 fathoms ofter it, extending from abreand of the point in the dirisition of the Pinto Ielendis.

Tho Oape of Grand Bink if high, and lies one loaguo Eyr.E. from Fortane. To the enstrand of this canpe is Ship Ouve, wheie thore is good'anohorage for ahipping in 8. or 10 fathomio wetor, wheltored from eguth, weet, and north-weatoiny winds armed Bank lien 8.E. half a league firom the cepe, and is a fiehing-village, where there is no meenrity for athipping, and the ontrance io parred,

From the Gape of Grand Bank to Poitht Enregte, tlo course it EN.EC + En, dir-
 is low, with ceropal mandy binolies, bihlad whioh meo bartharbonis, fit enly for boata, of whioh the pripoipal ie Groat Gariabb, lying 4t beagueb from the Capd of Grand Benl 3 it may bo kngin by eoveral rooke abovo wateny flag bofore it, at 8 milos dis. , tance from the ohores ithe outormost of these in etcop-lo, but between themi' and the

 times run in and anohor in 4 or $\$$ © © thoms water, tolorably well sholtirid from the bé

 the anst point of the eora, thenonisg inkon rook ebarly in the middle of tho paceage, of which you ahould be atrare. The shoin je kold all thi wey from Point
 and MO or 40 , at a mile off: botiven the latiter and Great Garnish, the wiater it nof wo deps, and shipe may anchor any whate in 8 or 10 fathome wator ahaltured only from tho land-winda.

From Point Entagte to the head of Pertune Bey, the conrec fo, Atrit, E.M.E. 4 E.,

in feneral, along the southr side, is high, bold-to, and of unevon appearance, with hills and ralleys of various extent, the latter abounaing in wood, and having many freah
At 7 leagues to the beastward of Point Enragie is Bay LArgent, where there is anehorage in 30 or 40 fethoms water, atheltered from all winds.
The entranoe of Herrbour Millélies to the eistward of the east point of L'Argent. Before thie harbour and Bay LiArgent, in a remarkable rook; which, at a distanoe, appears like a shallop uither anil.: Harbour Mille branches into two arme, one lying to the 8.E. the other to the East; at the head of both are gopd anohorageis. Between this harbour and Point: Enragto are several bar-harboufs, or small bays, with sandy where, but i must be very near the conore. is very deep : you may safely anohor any:-
Cape Millé liee N.E. I E. one loegue from the Shallop Rook; above mentioned, and nearly 3 leagues from the hêad of Fortune Bay ; it is a high, reddish, barren, rocky point. The width of Fortune Bay at Cape Mille does not much exceed hall a league; but, immediately. below it, it beoomes twice as wide, by which the oape may readily The known; and above this oape the land on both sidesi is high, with stcep craggy eliffs. The head of the bay is tarminated by a low beach, behind which is a large pond, or bar-harbour, fit only for boats. There are convenient plaves for building stages in this, and in all other bar-harbours between this and the Grand Bank, and good beachee for drying fish, available for the accommodation of numerous boats.
Grand lo Pierre is a good harbour, situated on the north side of the bay, half a league from the head. The entrance cannot be seen until you are abreast of it. There is no danger in goiog in, and you may apqhor in any dopth from 8 to 4 fathoms, Pored from all winds.
English Harbour lies a little to the westward of Grand Pierre; and to the westrward of English Harbour is the Little Bay de l'Ena; both of whioh are amall, tund only fit Now de TEau. It is is amituatod opposite to Cape Mille, and to the west rard of the Bay fathomes, oholtered from S.W. winde.
-The Harbour Femme lies half a league to the westward of New Harbour; it is narrow, and has init 20 and 23 fathoms. Before its entranco is an ielet, near to which are come rocks above water. One league to the weetward of Harbour Fomme is Brower's Hole, at only for boats, before which is also a small island near. the shore; and some rocks above water.

Harbour La Conte is situated one mile to the westward of Brewer's Hole. Before this are some islands, the outer oue of which is named the Pettioont Island, the inner, Bmock IJland. There are elso two, manller ones betweon these, and one or two munken rocke. The best paseage in is on the west aide of the outer iskand, and between the two large ones. As soon an you begin to open the harbour, keop the inner island olose on board, to a void some sunken rocke that lio near a smalt island, which you will discover between the N.E. point of the outer island, and the opposite point on the main; there is also another rock, appearing' at low water; lying higher up on the eide of the main; and when you get bejond these dangers, you may keep in the middie of the channel, and will soon open a fine apacious harbonr, wherein you. may anchor in any depth, from 0 to 16 fathoms water, on a bottom of sand and mud, *holtered from all winds. There is a emall oove to the eastward of the ontor fisland, Which is fit for umall voicols and boats, and otherwios conveniont for the fishories.
Long Harbour lies 4 milos to the wentward of Harbour La Conto, and N.E.: by E. 4 E., dintant 5 loagues from Point Enrages. It may be known by Gull Islpnd lying at ite mouth, and a mall rook half a mile without the island, heving the appoarance of a emill boint. Tifre is a paseage into this harbour on oach vide of Gull Island, the wditarn one of whioh is the bromior of the two, and has newrly in the middle, a little outaide of the island, a ledge of rock whereon are 2 fathoms "Wator; and a
 cablet' length from the ohoos, and visible at low water. Long Harbour ruis up 5 leaguei into the land; but the only anchoring place is in Margan's Covs, on the N.W.
side of the harbour, about 2 milos within Gull Islend, in. 16 side of the harbour, about 2 milos within Gull Island, in. 10 : fathoms water; unlows Jou rin above the narrown. Therrets a almonginhory at the head of the bayt To the weetwat of Long Elarbour is Hare Earbour, fit for amall vacelo only. Two To the westrard of Mal Bay, near the shore, lie the Renoontre Islandis, the wenternmost of whioh is the largeat, and has a eommunication with the main at 1ow water. In and about this islend is shelter for small vessels and boats. it Belle Harboar lies 4 milen N.W. by N. from the largest of the Ronoontre Ielande. The passege into it is on the western side of the island; and so soon, as you hate passed the isiands, you will open'a small cove, on the east side, where small reinelis can moohor, but large vesseis must run up to the head of the harbour, and anohor in 20 fathoms, where there is most room; it is but sn indifferent harbour. About 1 milon ys stward of Bolle Herbour ia Lally Cove, behind an island;, fit for small voicols only; the weat paint of this cove, named Lally Hoad, is high and bluff. To the northward of this bead is Lally Back Cove, where shipy may anohor, in 14 or 16 fathoms water.

Two miles to the north ward of Lilly Cove Head, are East Bay and North Bay, in both of whioh there is deep water, but no anchorage near the shore. At the head of North Bay is the largest riter in Fortune Bay, which appears to be a good plece for the ialmon-fisbery, and herce is named Salmon River.

CINQ ISIES BAY lies to the south raird of the North Bay, opposite to Lally Cove Head, and affords tolerably good anchorage for large ships on the S.W. wide of the islands, in the bottopp of the bay. The north arm is a very snug plece for mall Teteols, and nalmon may bo canght at its head.
A. little to the southward of the Bay of Cing Isles is Corben Bay, where there is good anchorage for any ships in 22 or 24 fathoms wator.

About 2 miles sonth-eastward from Lally Cove Head are tro inlande bold-to all ronnd, about a mile distant from each other. The north eapternmont of then is named Belle Ioland, and the other Dog Ioland. Between Dog Island and, Eford, and Ledy Island, which lies off the south point of Corben Bay, something nerier to the latter, is a sunken rook, with deep wator all round it; And shout a guerter of a milo to the nothward of Lord and Lady Island, is a rock whioh appeare at low wator, ing BANDE DE, LARIER BAY Lies on the west point of Bello Bny, and N. 1 W, $s$ leagues from Point Errageo. It may be known by a very high mountein over the bay, whioh yjees almost perpendioularly from the sea, named Iron Head; Chapel Island, which forms the oest side of the bay, is likeviea high. The harbour hes on the west side of the bay, just. within the point formed by a narrow low beach, and, is a anug place. Between the barbour and fron Head there is tolerably good apohprage in 18 or 20 fathoms.
Bande do L'Arier, or Bellorum Bank, hae. r fathoins wator on it, and lies with the boach of Bande de L'Arier Harbour just open of the wett point of the hey, and Boxy Point on with the north end of St-Jaeques Islend,

Two miles to the westward of Bande de EArier is the harbour of 8t. Jsequen. whioh may be roadily known by the ieland before it being high at ench ond, and jow in the middle. The pasage into the harbour is on the west eide of the inland, frep from danger, as is the harbour, where you may, anohor in from 17 to $\&$ fathomin About if mile tor the wehtward of SL. Jagques is the harbour of Blue Pinion; and alittle to the vestward of that is English Cove.

BOXY HARBOUR - Boxy Point lies W. 88.6 milee from se Jroguee Itlend, and E.N.E. 1 E. 19t milos from the enst ond of Brunet Ioland. It in or as moderato hoight, and is. the point most adranced to iho bouthyard of any land on this chara, of Fortune Bay. Boxy Herbour liee N.E. 8 miles from Boxy Points in which there io anchorage in \& or 0 fethomis water, fine mindy ground: to mail in, bring Boxy Roint opon of a little blaok hend juat within the point namod Eriaris Hect; as by following this direction yoy will koep tho middle of the ohannel, and betriean the ohomele whioh lie of each point of the harbour where the stagee art:
 loegue.from St, John's Island, Io. St Johrin Head, high, atoep, end oragey Bet Fegh St Johin's Head end Boxy Point is 8L John's Bay, quite oxpoted; in sho hotitha of it is the harbour fit for bonte only. On tho north aide of St, John'e Head arg tor roply



The peseage in is on the onst eide of the ialand, whioh lies in ite entrince; for only vary small reselels onn onter to the westward.
To the wostward of Bay de L'Eau, about 3 miles north from St. John's Head, is Little Bay Barryimey, on the roest side of which there is good anohorage for large ships in 7, 8, or 10 fathoms; and both wood and water oan be obtainel with ease.

Haibonr Briton libs to the rostward of Little Bartysway, and N.N.E. It league from the island of Bagona. The heeads iwhioh form the ontranos are high, and' hio from deoh other 8.E. and N.W., distatit about"2 miles. Near the eatot hond is $E$ rook bove wattor. The only danger in going in is a lodge of rocks, etretohing 9 evbleo Iength from the south point of the 8.W. arm, which is more thin' a nile within the wost hewa. The only place for shipsof-war to anohor in is above this leageo, before the ontravo of the S. W. arm, in 16 or 18 fathoms, mooring nearly outt and weit: the bottom id very good, and plenty of wood and water dre to bo obtainel here. Opposite to the 8.W. arm is the N.E. arm, or Jereayman's Harbour, which is oapable of fiolding a great namber of shipt, secure from all winde, in 8, , \%, end 8 fathome Weiter : it his a bat at the entrance, on Whioh there are 8 fithorts. Tho matr to ailil over the ber, If the point of Thompson's Bench, whioh js the south point at the ontrane into the 8. W. arm, open of Jotieymaire Woud, whioh is bigh arid bluf, on the horth oide of the onirance into Jerseyman'e Harbour; as soon as you opon the harbour, haul up to the northward, and anchor.
Froin the wesi end of Harbour Briton to Oonnalgre Heed, tho beariug and digtance are W. 1 N., 6 miles; between are Gull Isiaid and Dowiman's Bot, of whioh
 vary from 84 to 4 fathoms. Thi sea, during stormis, will sometimes breal for a cont Hadoreble way out from Guil Itland.
 werte Point, the bearing and distance are N.W. I W. 7 miles; betweon ls Connaigre Bay, ratining about 4 leagues Inland. In the moath of the bey tie the Cornaligre Robk, abovo witor, which may be approached very near, thore being tio datiger but

 fodis of rooks oxtonds a mile from the north shore, which renders the other ohaninpl rathey datagerous.
Connidigr Harbour is nearly 5 miles above the boed, within a potht on the south wide of the biay; it is very small, end the eopth of water is 7 fathoms. The peocege 3n' ift oth the S.E. tide of the ialand whioh lies bofore it. Abreust of thils hatbour,
 ernmost are eome roeks above water.
Dutson't Coro is oh the N.W. side of ens. Gi and beirt N.N.E, hbout 4 miles Arom Corthigto How, and W.N.W. 2 miled from the west ond of the largest and westornmost islind; the anohorase is in 6 or 6 fathoms, quite bxpoted to sontherly - inds.

Wi. Bestathare Point, whioh forms the wost point of Connaigre Bey, is of moderate.
 bold-to. Pide Ielind lis's vearly W. by N. distant to milee from Bieselorre Point. PiPanciland is the hortiowestern extromity of Portupe Bay; it is a fill mild in length and narrow. From the north point of Yiquelon it bears is: E: by Mir longuet,
 Ith cuita-teiteith dide thero are soperal rocke above whter, whioh oktond fully e milo


 Tne hardy bottom, in e fithoms whet. Tho cod-fiphery about thit patt if gevemally

The general appearance of the land ou the northern elde of Fortune Buy fo Mily,

 Vory dimpout dppoatinue, hating leot of theoe rugsed hils, and boing better olothed Wha wobl of ohot bitithy lind, giving to the courtery o groon wind fitile ap atritioco.
If the wht timy do ta dark fowty woethor, too muot deponityoce shotid rot bo



 . .


[^6]
## -

## CAPE OHAPEAU ROUGE TO CAPE RAY.

thores and in the crooky and harbours, is ofton doeper then in the middle of the bay itsell:

- Head, is o for large th ense:
$1+$ league th, anid $k$ d is a rook 8 oublow within tho age, before and wets ; dned here. is capable 8 fathome iatry to tail int at the d bluf, on opon the 5 nad disof which the depthe tor a cons.
to Batach Connaigte Cobniligre Intiger bat dafoes, is a of ohaninpl
the south ne paracig' batbour, the wete
put 4 milies argent and soustierly
moderate. 4ikilioe, Polituct 11 mild in Tenguec horo! $\mathbf{O n}^{n}$ ns $e$ millo lo fiom it ogth wide, ober, on generally
and to the northward by the insendensive hay is bounded on the \&.W. by Pase Island, Harboar, and by the southern-sbores of Iorm the Bay of Bapee and Great Jervic At ite suttence it is more then siores of Long Ibland, where it begins to narnotr. coast from Pase Ialand, jop will disoover the Fox In gailing along the bouthern Pans Iolapd 10 miles. These ielanide aver the Fox Ialandes, whioh are distent from mitage Cove, about threo-quarters of aro situated opposite to the entrance to HemAsbing about them, Off the northern mox from the land, and are said to have good a subken rook lien aleo off the south aido isfand are coveral rocke above water, and Jou should kepp between the inlath aide of thin idand. To onter Hermitage Oove, maip lavid, whers you will find 80,82 , and 87 hore, borrowing somewhat towards the core open, and may turn in eouth, having dr fathoms Wetor; here you will see the the apehorage is good, with every, having deep watar and without the loant dangor; and water. From hence Hermitace Bey ronee for flehing, and plonty of both wood deop wator, until you get near bie hoar, where peariy mont for 12 milea, with vory fathome, and farther in to of fothomes tha, where it gradually leoven to 26 and 24 wide, but no danger whatever. Long Island, separating th form, about 8 milen long and Bay of Despair from Hermitage Bay, is of a equare good, but narrow, and in betweon the leagues in circuit. The ecastorn paseege is wery named the Pasiere of Long Island. The end of Long Inland end the main; it is from Hermintge Bay, in by the weet The west entrance into the Bay of Despair; ita 8.W point are two nocke, above wha of Long Island. About half a mile fhom

Thore ere four harbours on the wouth side of watar all roond them, ghich, named Galtaus, is hat meme mouth side of Long Ialand, the eantornmont of The beat channel into the harbour is on the near the south-east point of the ialand. lie at the entrance, wherein are 1 fathoms; but in the of ceveral rocky indude whioh 24 fathome

The next is Picarre, which lies N by $E$ balf a Island. In entering this harbour keep near the loague from the enoternmont Fox sunken rocke off the other The ceep pear the west point, in order to avold come or 10 fathome, shaltored from all winds. Bound Harbour is the next, and is
It is fit only for amull vesealo the ohs about two milet to the werfard of Picarsen Lopg Ialand Harbour in the onanhel in being so narrow.
Lopg.Island. This harbour hes two and lies sbout $2 \frac{1}{1}$ miles from the weat oad of the emplward , they are both has two arms, one running tin to the north, the other. to entorn arm in the deoper, and parrow, and have from 10 to 7 fathoma wator: the cither side of an island which lies off the best anchorage. The paenage in' is ma Whter ebout it in :- if lies off the ontrance, and hee soporal rooki above and of Lang Intand and Gropentrance of the Bay of Doppair lies botyeen the wow of that rimpe. The distapat Jarvis Island (whioh lied in the mputh af the harbows
 extending full 8 loncuin to the north-enst apspair fortine two enpecions armat, one
 in several places: in the north arm there is very end tolorably good pooborge.
 thif bey whioh mas entoris there is a follilio on each nide of it; thut iv af acm of

 hand of tho: bes it bocomont thit part is mountainous aod barren ; but about the
 GREAT JERVIS HARBOUR, vituatadakhe weat entranco into the Bas of Doo

 the, Grent ileryi Islende but the mouthornmoat chanad in the mafent themiboint of
 cunken rooke. To cail in, you should briug the north point botireon the twannelion

Libove water on the starboard side, and then ateer direetly in ; this rill earry you clear of some sunken rocks lying on the weat point of the island, aud appearing at low water. The entrance to this harboar may; be known by the eant end of Griat Jervie Islard, which in a high, bteep, oraggy point, named Great Jervis Head, and is, the northern poink, of the south entranoe to the harbour.

BONNE BAY lies about in league to thio westrard of Great Jervio Head, and nearly N. by E. distant 7 miles from Pits Island. It has several islande at its entrance, the westornmost of which is the largest and highest. The best passage in is to the eastward of the largest ioland, between it and the two eastornmost islands. The bay runs in north, 4 miles, and there is no danger but what shows itielf. You may go on either side of Drake Island, which is amall, and nearly in the middle of the bay; between whioh, and two small ialands on the weat side of the bay; within Great Ioland, there is anohorago in 20 of 80 fathome; but the bent placo for lerge ships is near the head of the bay, in 12 or 14 fathoms, clear ground; and convenionce for wood and water: On, the N.W. side of Greatt Island, within the two small inlande, is very good anchorage, in from 16 to 24 fathome, secure from all winds; the entranoe to this, from the bay, te to the northward of the two small inlands. In sailing in or out of the bay, approach not too near, the south point of Great Ioland, as there are some sunken rocks lying at $f$ of a mile from shore. A little to the westward of Boane Bey is Mosquito Cove, a bmall iniet having from 30 to 47 fathoms watar.
W:N.W. 1 miles from Bonne Bay is the eutranoe to the Bays of Frecheux and Dragon'; this ontranoe being very conspicuous at sea, the coast may here be readily known.

Fichous, which is the easternmost branoh, is very easily seen, to seaward; it runs in N.N.E..' 2 leagues, and is half a mile wide at the entrance, with deep water in most parts of it On the west side of the bay are three coved, whire thips tinay anohor, in from 10 to 20 fathoms. Dragon Bay lies in N.W., a league, and is neairly half a mile wide, with 60 or 70 fathoms water, and no anohorage exoeptlng near tho
head; and then you tmust lie very near the shore. One mile to the weatward of head; and then you must lie very pear the abore. One mile to the weatward of Facheux is Little Hole, with shelter for small craft; and a league to the westward of Faoheux is Riohand's Herbour; a place it only for small vessels and fishing ohallops, with 28 fathoms water in it.
Hame Bay lies N.W. by W, a league from Riohard's Harbour, and runs in N.N.E: about 5 miles, being abouti i of a mile wide, with deop water close home to both ahores' in 'all parts' of it, exoopt about a league up on the Test side, whete there is good anchorage, in from 8 to is fathoms, with plenty of wood arid wator; and also in a amall covo about a mile up on the east side, where there are 30 fathoms, with gradual soumdinge to the shore
About $\frac{4}{4}$ milos N.W. from Hare 'Bay, and 4 milos N.E. from Haro's Ears Point, is Dovil's Bay, a narrow inlod, extending al league to the northward, with deep water; and no anohorage until you come olose to the head.
The Bay of Rencontre lied to the northward of Hare's Eare Point, and rans in N.W. 2. leagües, It has deap water in most parts of it, and is noirly half a mile "udd at the narrowent part: Tho anohorage is in 80 fathome, above a low woody point on the south shoro, quifolenallooked, Hare's Ears Point is large, with a ragged rook upon it, whioh, from tome points of view, looks lite the eurs of a haro. It divides the Biyt of Renoontre and Chalour, and bear's N.W. $\frac{1}{}$ W., 17 miles, from Pase Inland, Oif this point is a fishing bink, extonding a fall milo from the shoro, having
2f Iwo mill to the westward of Hare's Ears Point is the Bey of Ohaloir, whioh runs in about lengues N.N. W. It is tery narrow, and has deop Ficter in moont partis. At:the northern dide of the eatrano into the bay, and viow to the land ty © Bimill isin of modiorete haight; and half a lengue within the faland, on the H E. slde of the bay Is m robl above water; a littlo within this rook, on the idme sta, is $\alpha$ eruall core with a mandy beach, off which you can anchor in as fathomi, coable's lougth
Weet, nearly half a league from the Bay of Ohalour, la Baj Frangais, a mmall inlet; running in N.W. A. W., a mile, being at the entrance about $\&$ of a mile browd, and 17 fathoms doop; but just within aro 00 and 00 fathome; at the head aro from 30 to 20 fathoms, geod anohoregor and vory convenient for oarring on the fibing

Weatward, 4 milen from the Bay Francain, on the eant lide of Oape lo Hune, Lies Oar. Bay: off the ollat point of the entrance to whioh is a low rocky islet, and in in entrance of the bay is another, with a passage op each aldo of it. The bay rums both ahores all the miles, and is one-third of a mile wide, with deop wator close to fathoms water. At the up; at the head in a harbour for small yocesele, with only 5 Oul de 8eo, with 3 and a fortho of the entrance into the bay, is'a small cove named OAPE LA HUNE is the cous water, and good ebeltor for amall vessels. Lien in lat. $47^{\circ} 81^{\prime} \mathrm{N}$. and louthernmont point of land on this part of the coanct, and Pacs/Island, and N.N.W. 1 N. 10 ent. W., bearing W.N.W. 1 N. 81 leagues from reeemblee a sugar-loaf; and it maj gues from Cape Miquelon. Ito fare muoh which lies a league to the westrand also be known by the high land of La Huno, distanco of 10 longues
THE PENGUIN ISLANDS lie W.S.W. \& 8. 101 milen from Cape La Hane, and N.W. I N. 10 leagues from Cape. Miquelon: they are an aseemblage of barren rocke lying near to each other, and altogethor about 2 leaguea in circuit, and may bo ©pprowhed in the daj-time to the distanoe of half i league all ronnd. On the and convenient for the fishories ; the ground about it as anall oove, fit for ohallopa, fishing.
E.S.E., 7 milec from the Penguin Islanda, and 8. by W. 8 loagueet from Capolia Hune, lies the Whale or La Hune Rock, on which the see generally breaks $;$ it is about 100 fathome in circuit, with 10, 12, and 14 fathoms water closo-to all round it. From this rock a narrow bank extende a loague to the wentward, and half a league to the eastrard, with from 24 to 58 fathome water on it, rocky and gravelly bottom. In the channal between the shore and this rock, and also between the shore and the Penguin Islands, are 120 and 180 fathome of water, muddy bottom; and there is the same depth of water at a league without them:
LA HUNE BAY liee close to the westward of Cape la Hune ; it is abont 2 leagues deep, and $\frac{1}{}$ of a mile widp, with deep water in most parts of it; but there is a sunkon rook which lies off the weat point of the entrance, neurly one-thind orer the channel; therefore, in asiling in or out of this bay, jou should keep the eactern shore on bokrd. Two milea up the bay if Lance Cove, having anohorage in 14 and 16 fathome wator, good cloan ground. A eable's length off the sonthern point of this cove is a ancll_shoal, with of feet water; and between it and the point there ale 6 fathome., To is a rook above teep the east point of tho bay open of a red oliff point, off which with the north side of the the round hill over the valley of the cove, is brought on into the cove with safoty. There is a narrow bank which stretchoal, anid many haul baty, from the south point, of the cove to the opporite ohe stretches quite scross the 45 fathomay

Le Huno Harbour lies half, a leegue to the only for small veasela, and in open to ceterly winds. bd of Cape la Hune, and is fit shore. Thethannel into the harbour is on the N. W. side of the inland; there is no danger going inj and yon must anchor close up to the head, in 10 fathome water. This harbour io well adapted for the fiabery, there being good fishivg ground ibout it, and a large beach quito coross from the head of the harbour to Lit inno Bay, a spaco, of 800 foet, expioed to the open air, and woll calculated for drying fish.
Fgur leaguen N.W. a W. from Oape la Huno, is the entrance of Little River, which is about 100 fathoman wide at the entranoe, and 10 fathomis doep; a little way up there is anohorgge in 10, 8 , and 7 fathome water, good ghound. Botween Cape is Hupe and Little River the land is tolorably bigh, and forme a beys whore thero avo coveral moall islandy and poele above water, the outermost of which liea N.N.D. द्रे.E. 8 loagues from the Penguin IElands, and are called tho Magnatio Rocks.
 deep water all round them TBE RAMEA ISLES, which are of varioue extont, Aoth in helght and cirouit, Ile N.W. $\frac{1}{2}, 61$ leagaen from the Peaguin Inlands, and a league fiom the main. They, axtend aat and weat 5 :miloc, and north and couth 2 milce, and have zovieral rooks and breakers about them ; but more on the south aide than on the northy Thio.
cacternmont inland is the largest, and is high and hilly: the westernmost oalled Oolumbe, it a remarkpbly bigh, round isliand, of omall बirouit, with some rpeky inlande and ounken rocks near jtí

Thete is a harbour for mall recsalc, formed by the inlends which lie noer Great Bonee and the Oqlambe, named Ramica Harbour, where they may lie itholtored from oll winds. To entarthis from the wentward, yoú ohould give the coutborn point a borth, on aodount of some rooks that lie, gff the starboard ialabd, all of them boing above trater! HCos E.N.E. towards the harbour, hooping as nearly mid-channol is You can: the peeage is aboye a oabboe length broad, and run for the apohorage in Chip Cove, This is the second inlet on the north-weetern ohore; you will here aide heep the northere ground, in $b$ fathome wator. To enter from the eaviard, you muet thereof, then steer 8.W into the Ramee on board, untll you trive at tho west end about 8 fathome, and anchor ace harbour, zeeping in the middle of the ohannol, in fithing venele, is in it, end aserifore directed. This harbour is very conventont for etngos, and drying fish, which seam to be inll onda, are soreral places it for orecting The Ramee Rodke are two in mum to be wall calpulated for that purpowe.
 small bank, with only 0 frithoms trater on. it; and nearly froma theeo rocks, it a Ramea and the Penguin Islande, is the Niow Bank, with from 14 to 50 fathome weter To ruh upon the shoulest part of this beiks, bring the tho Ramen Rooks in: one with ontrence to Littio River N.E. $\frac{1}{1}$ E.
Four miles to the wremard of Little Riveris Old Man's Bay, whieh rane in N.N.E. about 7 miloe, ind is nearly a milo wida: the water throughout the bay is very deep.
 Irland, bohind whloh vomedes ain rido, if necessiary, in 80 and 40 ffathomes; but the best anchorage is at the head, in 14 or 16 fathome.
Mociquito Alaibour liee about half a longuo to the westward of Old Map's Bay. It in sinng aod safo harbour, and will hold a great number: of veache in perfoot secirity 5 : but thp entrance is so narrow, boing only 48 fathome in brealthis thet it in dificalt to got in or ont. The land on both nices is high; and dff the couthern point of eqtinuog io a latge white rook, about a cable's length frojd which in a bleck rook, above watar, having on itt couthern aide t tuntien rock,- whereon the cea broaks; from this bleck rock to the entrunde of the harbour, the course is abont N.N.W., dieteace, one-thind of a mile. In mailing either in or out, jea thoold give tho bleck rook a small berth, keoping the weatera shore on bioard, andy if obliged to anohor, bo: as quick me pooeiblo in gething a rope on abore, leet you drift on the rookso. In this hais bour yoy will have from 18 to 30 fathome. Watory with good riding everywhers, and plonty of both wood ard watert In the narrowa you will And 12 fathome, the chores hoing boldito. South and eastorly winds blow right in, northerly winds right out ; and with westarty prinas it it commonly cither quitc ealm, or desconds in irrogulat purif.

- i. Fax Island Herbour.is formod by an ifinad of the eame names it lion about half: a longue to the mestratd of Moengifta Herbour; botivech are meveral rooky, iblande and enken roeke. This in a commodious harbout for mall ressita, which mey anohoir in 8,9 , and 10 , fathomit water. You may so in on oither slde of the ieland, tand thero is no dary br but what thown itholf.

Whito Bear Bay-This bey lies about 2 milos to the watward of Fox Jsland Elerboury athd N.ET:E. one lengue from Grolat Rapper Latand it hat toveral intande at

 of 8 milodiapt then the ground rites at onoo to 9 flthomes, whenco it thonang grodive cly th tho haidi with gocil anoborcto. The bet puerabo Into the lury is to the eastwerd of all ths ieleaded. On the 8. Wr-sido of Bearilanad, whioh is to eamornmoit ehd laveat in the meith of the boy is e mall harboun ranhing in ibbout aist, - half a mile, with from 10 to :2a fathome of watat f hat there arb.ceveral sunlmon roeks

 watar. The best paregege into the bay, fionidbe nestwaid, will be to the wiestwatd of this:bleck rook; and betwote White anid Sode Lalarids; wome of the rocke are abow

## CAPE OHAPEAU ROUGE TO OAPE RAY.

 Oolumber ave tro amell harbonra, naved Red Cliand Harboura, formed by Red Iclamd, whioh lice olone under the land. The westernmoit io the largest and best, and hat from o 0 to 8 ,fathoms water, good anohorage. In gohog in;'loop the thand olow on boand, the outer part of which is composed of atoep red olifin, howeo ite name: THE BURGEO ISLES are a oluster of felande extending about 5 wilies along hore, and forming toveral vang and combediove harbours. They lio about o milea N.W. by W. from Ramea Oolumbe. To adi into Burgeo from the cistward, the best pascage is on the: N.E. Wide of Boar I Iland, which is the northernmost, arid lies
 uncoveral at low wator, on whioh the dea ginecally breake; yon may go on aify yide of thin rook, she weter boing deop all round it: as soon ts you are to the N.W.. 6 f th keop thro north dide of Boar-Ialand oh bowrd, and ateer W. the north point of whigh is the: Ar'st low point;on your ctarboand bow ; hant round The point, and anohorki izizhe ooverin 14 fathoma, and moor with a fant on aboro.
 and chaltered from ac (4ath et of Boar Icland, in 20 or 24 fathome, good ground,
 wand and enterand, $B$, - alli the manden rooly di yod aty Jands, and good anehorago; gna, in he weather.
 Wolf Bisy extond inf shan NR wood or, water. from Boart Icland, and two toilen to by E., a loague ; the entranee is E.N.E., 2 miles point of the oftranoe it oomposed of low rugged rocke, Itfand Hurbovf, The enit ab eadiatance of a quarter of a mile from chare, whent whioh is an anken rools, weather. Near the head of the bey is tolotably good menehor the soe broaks in bed and water. of a milo ; before ites ronnd the weot point of Wolf Bay, and ruasitn NJE. by E. $\frac{7}{}$
 the harboun, mpohoring unilar the cemest shore, in 0 fathome North for the ontrince of HA-HA -0 n the soath bide of the ine, ind morth, a wile frois Boar Island, fo the entrexice thto the Harbour, and nourty WIN.W. te mile, and is about \& quatter of ia milo broed, with from which runi in watar; and good. ground all over: Over the oonth yoint of trom 20 to 10 fathoms harbour isia high groein hill; and 1 cable' longth point of the entrance into thit that alreys thoing itcolf Over the head of the Hith he is Rich point is a sunken rook; running upon Ramiea Shonl. Alsort mille to the whioh is law, white and roind of tha Burge tho Gireat Barachals Polint



 of the Bay of Obanofra. This point is eo fari remartable, thatit fives with en outy

 The bay runs in N.E. by N., about 4 loegue, (from the enat'point to the midalotheot,




 neceryendenctate -ill midt thall youFcA



rock, steoring E.N.E. $\ddagger$ E. towards the sonth-eastorn shore, nntil yon get abreast of a small woody jaland; this is the easternmost except one, and lies about a quartor this island, and anchor behind it, in 7 fe middle of the channel; haul short round tered from all winde, or you may go farther water, here, you will lie safely, ebelin 4 fathoms.

Four miles to the westward of the
Grand Bruit, which is small but of the rocky island of Cinq Serf; is the harbour of remarkable mountain over jt, half amodious, and may be known by a very high and the coast: down this mountain runs a league jnland, which is the highest land on all cade, into the harbour. Before the mouth er able brook, emptying itself; by a caik. the largest of which is of middling mouth of the harbour are several little islands, outside of this jeland is a round rock, rather with three green hillocks on it. 4 litte of Great-Bruit; and a quarter of ack, rather high above water; named the Columbe in a direct line between the low rock and the southward of this rock is a low rock: from the fomer, is a sunken rock, whereon the rocky islee of Cinq Serf, half a league Whe safest passage inte Grand Bruit is to the sea does not break in fine weather. isjands lying before the harbour, between the north-eastward of this rook, and of the and lay under the ehore); and, after you are to the the three islands (which are low, above.mentioned, there is no danger but what showe itelf of the sunker rock, N.N.E., half a mile, and is but a quarter of a mile itself. The harbour extende it is bold-to on both sidee, and has a depth of from 4 wide in the broadest part; bat To the weatward of Grand Bruit, between it and 4 to 7 fathoms. Rotte, wheroin are a great many istands and suinten La Poile Bay, lies the Bay of remarkable high round rock named the Coltingie of rocks. The southernmost is a leaguen from the couthernmost of the Columbe of Rotte, whioh lies N.W. by W. 8 最 Bruit is a reef of rocks, some above and comgeos. Between this felland and Grand southward of the direct line between the islands. Within the islands of Rotte thero is shelter
to the westward of the islands between them for ahipping: the safest passage in is them and Little Ireland, which lies offithe LA POILE BAY.-This bay is large and spacious, and has soveral oompodious harbours. It may be known by the high land of Grand Bruit, which is only 5 miles rises in remarkebly high craggy hille. the land on the east side of the bay, which Little Irelaud, a small low idend, environed $1 \neq$ mile 8.W. from its onst point lies one third of a mile off: North, ebout half with aunken rocks, some of whioh are rock that showe itoolf at low water: this is the onfom Little Ireland, is a sunken oxcepting such as lie very near the shore. Two milen within the west point of Iroland, is Tweede, or Great Harbour; its soun, and N. 1 W. 2 miles from Little W.N.W., e mile ; it je, about If cable's length wide in the , and it oxtends in warde. anchorage is/near the head of the harbougth wide in the narroweat part, and the : sheltered from all winds. At half a mile to the or 20 fathoms, olear groond, and Little Harbour, the north point of whloh, named Toorthward of Great Harbour, is head on the weat aide of the hay; the named Tooth's Head, is, the firet bigh bluff mile. In eailing in, give the mouth point a emell berth inwaray WeNEW., abouta half-may up the barbour, in 10 fathoms wator, beforth. You may anchor about morthern side. Gally Boy's Harbour lies on the east wide of the bus - emall, anug, and convenient for shine bide of the bay, opponite Ty th's Head; it is high and steep, with a white opot in the eliff to the weetward. The north point is hillooke clowe to the ahore., Ta cail in or out, keep the north side on hoint are nome must anghor 10 moon as you aro within the inner the north side on board. You good ground, and aheltered from all winda. Ono mile to pint, in $\theta$ or 10 fathome, Boy's Harbour, between two sandy coves on the milo to the northward of Gally
 Bromd Cove in about 2 miles to the northwerd of Tootheorere at low wher. of the bay. In this there ie good anchorage in 12 or 14 fothomed, on the aeme wide The N.E. Arm liee about $\mathrm{I}^{2}$ leagues frome in 12 or 14 fathoms. sides and forme a apeciove, ane, and commodious harbour, In bailing ing give the
ret abrenot of nut a quartor 1 short round - safaly, sbeld of the bay, - harbour of ery high and It land on all elf; by a cane little ialands, it. $A$ lithe the Columbe a low rock: ulf a league ine weather. ; and of the ioh are low, anken rock, our extende t part; bat the Bay of. nmost is a . by W. 8 and Grand Nlie to the
usage in is liee off the mpodious ily 5 miles bay, which point lies which are - sunken o the bay, om Little - inwarde. $t$, and the ound, and arbour, is bigh bluff , \&bout or about is on tha end; it is 1 point it are come rd. You fathome, of Gally
tor.
ume side
onastorn
sive the
low sandy point on the S.E. side a small berth, and anohor above it, where oonvonient, in 10 fathoms water, good holding ground, sheltered from all winds, and vory convenient for wood and water.
Indian Harbour and. De Plate lie juet within the outer west point of La Poile Bay; these are two amall coves conveniently situated for the fishery; bat fit only for small vessels which may get in at high water.
Little Ireland bears from the southernmost of the Burgeos N.W. by W. 7 W wive leagues; snd lies perarly 11 leagues to the eastward of Cape Ray.
From Little Irelemd to Herrbour la Ceve, and La Moine Bay, the course is W.N.W. W., 9 or 10 miles; betweon hies the Bay of Gria, and several coves, fit only for. small veseels, before which there afe many islands and sunken rocks' -scattered along the shore, but none of them lie without the above cour In bad weather, all the sunken yooks diseover themsglves." To sail into Garis Ba, "you will, in consting along shore, discover a white head, which is the south point of an island, lying under the land, of the eastern point of the bay, and a little to the westward of two green hillocks on the main: bring this white point N.N.E., and stoer direotly towards it ; keep between it and the several islitind that lie to the, W.S. westward. From the white point the course into the bay is N. by W.: borrow toward the eastern point, Which low. The Bay of Garin affords plenty, of timber, large enough for building shipe.

The S.W. point of the entrance into Harbour la Coue, named Rose Blanohe Point, (near to which are somp rocks above weter,) is tolerably high, and the land ngar tho ahore over Harbour la Goue and La Moine Bay is mnoh higher than any other land in the vioinity: by this the harbours may be known. Lae Moine Bay extends in rands N.E. 4 E., about 4 miles, and is one quarter of a mile broad in the nerrowest part. Off the eapt point are some emall islands and rocke abovo wator. In asiling in, keep the west point on board, until you have entered the bay; thon edge over towards the oast shore, and run up to the hend of the bay, where you may anchor in 10 or 11 fathoms, good ground: here is plenty of wobd and water.
To sail into Harbour la Coue, whioh lies at the west, entrance into La Moine Bay, eteer in N.N.W., between 'a rook above weter, in the mouth of the harbour, and the west ehore ; as soon as you are within the rock, haul to the westwerd into the harebour, and anchor in 6 or 8 fathome water, mooring with a hawser on shore: or you tmay steer into the arm, which runs in N.E. by E. from the harbour, and anchor in 20 fathoms, sheltered from all winds. This has been the resort of the small fiching retsela for many yeara
*To the westrard of Rose Blanche Polnt is the harbour of the same name; it if small and saug, and the anchorage is in 9 fathoms water.. The channel into the hari bour is betwedn the island lying off its western point, and Rose Blanobe Point; give the island a good berth, on account of some annken rocks which lie on its eastern side, and keep the west side of the amall ieland which lies olose to the point on board; then anohor within the N.E. point of this island in 9 fathoma. To onter into the N.W. part of the harbour would be dangerons, if a stranger, beoause of fts nnmerous islands and rocks.

Mill Faoe is a emall cove, 2 miles to the westward of Rose Blanche Point, wherein is anohorage for cmall vestiale in 4 fathoms. Off the west point of the opvo are two mall islands, and coveral sunken rocks; the pastage in is to the eastrard of these.
Seven miles to tho westward of Rose Blanche Point are the Burnt Ielands, which lie olose under the chore, avid are not eavily to be dietinguished from it; belind thees it aholtor for mall respele. Off thowe telands are sunkon rooks somo of whioh wro half semile firmi the shore:
Sir miloe to tho weatward of Rove Blatiche Point, are Conney and Ottor Bayt, both of whith'are renderad diffieult of nocese by eeveral sunken rooks outside the perectio. Whioh do not show thempolves in, fine weather ; but when once you are were within
 Blanoke Pointi, are the Doed Ielande, whioh lie clowo under the shore. In the Panage to Dond IMande Harboor, betwoen the inlande and the maiu, it good anohortge for ohipplag in 0 or 8 fathbras, sheltored from all winds ; but it is vory danjorous of

of tho ialande: bring this spot to bear: N. by W.t and stoer in for it, keoping the
oap tarboard rocke oniboard, and loavo the whito spotted island on your port side. The Festern ontrance may bo reoognized by a high point on the main, a little to tho whotward of the islands, on the weatern part of whioh point is a green hillook: heop. this point olowe on boded, antil you get within a little round rook, near to thp westeri. most island, at the eastern point of entrance; then hanl over to the enstward for the great ioland, distinguished by high hill, and, ateer E. $\frac{1}{4}$ N. Keeping the beforementioned little rock in sight.
PORT AUX BASQUEF-From the Doad Isles to Port aax Basque, the worrse and distance are.W.N.W. about 4 miloe; betiveen lie asveral small ishands clowe under the shore, and there are sunkin rocks, wome of whioh are half a milo from the shore. Port aux Busque is a small commodions, hirbour, lying about 21 leagues to the east Fand of Gape Ray To fall in with it, bring the Sugar-Loef Hill over Oape Rey to bear N.N.W. 1 W., or the west end of the Table Mountain N.N.W. Steer in for the hand with eithor of those marke, and you will fall direotly in with the harbour: the 8.W. point, named. Point Blanche, is of a moderato height, and of white appear, ance ; but tite N.E. poitt is low and flat, and has, elowe to it, a bleck rock above vacor. In order to aroid the outor shonl, on whioh are 8 fathome, end whioh lien E.S.E,, threequartors of e mile, from Point Blanohe; keep the maid point pn board, and bring the flag-staff: whioh is on ${ }^{2}$ the hill over the west side of the head of the harbour, on with the 8 . Wis point of Roed Igland: that direotion will lead you in the milddle of the ohannol, between the east and weat rocks, the former of which always ahow thiemselves, and these you leave on ypur starboard hand; continue this course up to Rond Island, and keep the weat poikt on board, in order to aroid the Frying. Pan Rook, whioh strutches ont from a oove on the weet shore, opposite the itland.
An soon as you are abont the ieland, haul to the E.N.E., and eachor betwoen it and Harbour Island wherover you plecse, in 9 or 10 fathoms, good ground, aud whel: tered from ull winds ithis is hamed the Road, or Outer Harbour, and is the only anchoring place for men-of-war, or shipe drawing a great depth of water, but amall vocelels alway lie up in the Innor Harbotir. To mail into it, run in botween the weet thore and the S.W, and of Harbour Island, and anchor behind the aaid ialand, in 8 or 4 fathomi. In some parts of this harbour obips can ley the throadsides so near to the shore aid to reaph it with a plank. Thio plave has been Tiftuuented by fehermen for mapy yourn; it is woll situated, for their purposes, end is oapable of mopt excellont eogommodations. A mille to the eestward of Basqua is Little Bay.
*. GRAND BAY lies about 2 miles to the weatward of Port aux Baeque; there are ceveral amall inlands and nooks in and before it, the outormost of which are not above 4 quartor of a milo from the shote; on these the eee generally breiks. It is only fit for small vesiols.
From Port aux Bleque to Point Enragte, the bearing and distance are W.N.W., about a league, and thonce to Cape Ray, N.N.W.; nearly 1 l loague Point Enragéo is low; off it, and to the eactward of it, are wome mamen nooke, \& mile from the ohore, Fhereon the coe breales,

OAVIEAT, the 8.W. extremity of Newfoundland, is situated in latitudo $47^{\circ} 87$ ! No, and longitudo $190,93^{\prime}$. W. The land of the cape is very remariable; near the athore it is low 'but 8 mile inlend is a vory high mblo mountaln, which rise, culmow perpent dioulerly from cho lowillad, aed appeara to be quite flit at the top, oxeppling a emell billook on the $i S$ Wn point of it. This land may be won in clowr weation from the distanpe of 16 or 18 leagues. $n$ Olowe to the foot of the table mountain, betseon it and the point of the capp, in a high round hilly tramablint a sugarionf, (memed the Bargars Loaf of Cape Rat.) whose summit is a little lower than that of the teblo mountain: and to the morthward of this hill, under the table mountion, are two ether conteat hill, ropembling nuganloanren, whigh ave not to high wie the former; one or other of
 mountain. -
weralicenty paphar with the wince from N.N.W. to finat but thog thould be eacutione not to bo aurprited :heropith S. Wv winch, whioh hlow direoly in, and caune a great moxury The
 In a enall lodege of rocke, in mile from ohort, on whioh the wea does not bnoeks is fue Whathery The beat plaepifor large ahipt to thachor in in, to bring the point of the
wat
est
sping the dide, The itule to the ook; hoep. - resteriand for the be beforo-
winrse and under the the :shore. 0 the east po Rey to in for the bour: the to appears oek above whioh lion br boerd, end of tho you in the ch almay: his courso © Frying. filand. otwoen it add whelthe only but emall wett thore in 8 or 4 near to the armen for cexcellent
there aro not above is only fit
W.N.W., Emrige the ohore,
a) $47^{\circ} 3 ?^{\prime}$ the whore t parpen: nga emall from the con it and be Buyari Doontaia : or contoct r other of the table not to be merint Th (thin bisy in Ans int of the oape N.W., and the high whito sand-bill in the bottom of the bay N.E.Fin 10 fathoms water: Small voceole may lie farther in. Be carefol not to run so far to the eastward es to bring the end of the table mountain on with the sard-bill in the bottom of the \% bay. by which meane the ledge of rocke, before mentioned, will be aroided.:
N.W. - W., nearty * mill from the point of the oape, is a amall ledgo of rooke, numed the Cape Rocks, whereon the een aliweys breals; and one mile to the northward of the cape, elose under the land, is $\varepsilon$ l low rooky ishand. There is a ohanuel. betroen, the ledge and the oape, with 14 and 15 fathoms water; and also between it and the ioland- with 4 and 0 'fathome; bat the tides, whiph run here with grieat rapidity, render it unisafe for ehlpping.

The soundings, under 100 fathome, do not extrad above a league from the land to the couthward and onstiard of the eapes nor to the westward and northward of ith except on a bink whioh lies off Port aux Basque, between 2 and 8 loagues from the land, whereon are from 70 t 100 fathoms; good fishing ground. 8.E. $\$$ 8. About 18 leagues from Port eux Busque, in the latitade of $47^{\circ} 14^{\prime} \mathrm{N}$., is asid to be a benk; whereon are 70 fithoma:

THE TIDES. - Between Oape Chapdif Ronge and Cape Ray, in all the bays, da. the tide genarally fiowe till $00^{\circ}$ "clock, on full and change, and its perpendioular rise is about 7 or 8 feat on epprings is but it must bo doserved; thattio tiden are everywhere influenced by the winds and weather. On the coast; between Cape Ohapena Rouge and Bt Pierre, the curtent gits generally to the B.W. On the south tide of Fortane Bay it mets to the eggtward, and on the north vide to the wentivard. Botween Dape La Hune and Capp INy, the flood sets to the weatward in 'the ofing, vory irrage: lariy; but goneraliy 2 or 8 hours after it is high water by the shoree The tide, of ourrent, is inconsiderable, excepting neat Cape Ray, whore it is etrotig, and at times sets quite contrary what mfght be expected from the common course of the tides, and much stronger at one time than at another: these irreguleríties seem to depend chiefly on the winds. Ab



## OAPE RAY TO GAPE NORMAN.

Caps Avevilla bearing N. \& E., 17 or 18 miles from Cape Ray, is the northernmoet. point of land yop oan see, aftor paosing to therroetward of Capo Ray it is high tablo land, and the coonitry above it is covered w wood. Botweon the high land of the two oappes, the coest is low, and the shore formia a bay, wherein are the groat and litte rivers of Cod Roy; the northernmott, or Great Cod Roy River, is a berrod-hirhour, whioh, at high water; will only a fant veweoin whose draught dber not, exged 8 or 10. foet The shore botweon the two capes taay be app wife hed to abont hilf, a league, there being ino danger at that distinnee off it It in a good malmon-fishery, and is adaptad Sor building small veceols avd boatdy thore boing timber in ebundanoe.
The Ieland of Ooa Roy liee 1i or 2 milee to the couth ward of Oape Auguilla, oloep undor the high land, and is a low, flat, greon ifluth, of naarly, o miles in compace, in the shapie of hotweshoe, forming, between it and the maln, a mall anug barbour for vescels of 10 er 18 foot draught, the nafont ontranoo to whlok is from the pouthward.
Ood Roy Boad lies south-eastivard from tho inland, ead afionds gaod anohprage for shipping. In $8, \%$ or 6 fathoms, on a clay bottom. With the nouth point of tho inland bearing shont W.N. W., and the point a the beephon the incide of the inlend , t the couth entranot into the harbodr, on with a point on tho matin to the northraed. of the isiand, you will lie in 7 fatiome; and nearl bale a milo from the whoren 14 Jojguett the eouthwant of Ood Roy Island is a high bluff point, neteod Stormy Point. of which is inomi trotehow tut full half miles this poiat oovers the road frome the



Ex．anomery may．－From Cape Auguille to Cape St．George the course and distanioe are N．N．E．$\frac{4}{4}$ E．，about 12 leagues．：between these two capes is the Bay of St．George，which extends inivards E．N．E．， 18 leagues from the former，and E．S．E．， 11 leagues from the letter．At the head of this bay，on thf south side，round a low point of land，is a harboor，with anchoriage in 8,10 ，or 12 fathoms water．The river St．George empties itself into the head of this bay，but it is not navigable for anything but boats，and it appears to be fast filling up with sand．On the north side of the byy，before the iethmus of Port－au－Port，is good anchorage，in 7 or 8 fathome，with northerly winds ：from off this place a fishing－bank itretches two－thirds across the bay， with from 7 to 10 fathome water on it，darl sandy bottom．

Cape St．George lies in latitudé $48^{\circ} 28^{\prime}$ north，ard may．be readily krown，not only by its being the north point of the Bay of St．George，but also by the stoep oliffs on the north part of it，which rise perpendicularly from the sea to a considerable height； and by Rod Island，which fies 6 miles to the nortifenatrard of the cape，and half a mile from the ahore．This island＇is about 1$\}$ ．miles iñ length，and of middling height； the stoep oliffs arpund it are of a reddish colour．There is anchorage with off－sipre winds under the N．E．ond of the island，before a sandy cove on the main，which lies just to the northward of the ateep cliff，in 12 or 14 fathoms；you will thare ride， covered from the \＄．W．winds by the island，and from the southerly and easterly winds by the 鱼位 land；but there is no shelter whatever with winds from the N．or N．W plthough this place was formerly muct resorted to by vessels in the Ashing－trade．
From abreest of Red Island，distant 4 or 5 miles，to Loing Point，at the entragee into the Bay of Port－au－Port，the befring and distance are E．by．N．，7．or 8．Ienques； from Ped Island to Guernsey Island，in the mouth of the Bey of Islandse E．K．E．， nearly 18 leagues；from Red Ieland to Cape Si．Gregory，N．E．by E．$\frac{3}{8}$ E．LIully 20 leagues；and from Red Island to Point Rioh，whioh is the north point of Iagrena－ ohoix＇Bay，N．E．by E．， 49 leagues．
 Port is rathet low，with sandy beaches，except one romarkable high hillock，pamed Round Head，close to the shore，about． 2 leagues to the E．F．－Eastward of Red Island； bat up the conntry，over Port－au－Port，are high lands；and if you are 3 or 4 leagues off at sea，you ounnot discern the long point of land which forms the bay．This bay is oapacions，being about 6 iniles broad at the entrance，and 4 loagues deep，ruńning in to the south and south－westward，with good anohorage in most parts of it．
Long Point is the west point of the bay $;$ it is low and rocky，and a ledge of rocks extends from it E．N．E．nearly a mile．S．E．by E．$\frac{1}{\mid}$ E．， 4 miles from Long Point，and half a league from the east shore，lite Fox Ialand，which is emall，but of middling height．From the north end of this ialand a shoal stretches out nearly 2 miiles to the N．N．－Eastward，famed the Fox＇s Tail；and，nearly in the＇middle of the bay，betwoen Fox Island and the west whore，lies the Middle Ground，on one part of which，near the S．W．end，there are not above S．or 4 feet water．From the head of the bay，pro－ jeatigg out into the middle of it，is a low point，named Middle Point，off which，ox－ tenting 2 milos N．E．by N．，is a shoal spit，part of which dries at low water；this Mradle Point divides the bay into two parts，named Eent and West Bays．

From the bend of the East．Bay over to the Bay of St．George，the distance is above a quarter of a milo；this iathmos is very low，and has a pond in the middle of it，into which the soat frequently daches，especially at high tides，and with gales of wind from the sonth ward．On the east side of it is \＆tolerably high mountain，risiog （directly froí the isthmus，and fat at the top：to the northward of thic；and at about － 35 milles distant from the isthmas，is a conapicuons valley or bollow，hereator to be used as a mart．N．E．by y 1 E．；mbove two leagues from Long Poimt，and half a league from the shore，lie Shing Ioland，which appeare at a distance like is high rock， and is ensily to be distinguished from the main；and W，N．W．，about． 2 loague from it，lien the middie of Long．Ld ge，a marrow ledge of rooks，stretohing E．N．E and W．S．W．about 4 miles；the onulorg pari of them le above water；and the ohannel into the bay of Port－au－Pork，botwen the west ond or this ledge and the roef which itretehes off from the weat point of the，pay，is a league wide．

In sailing in，if coming fram oft fonth－woutward，edvance no nearer to the Long Point of the bay than 11 millo，unth four have brought the valley in the side of the mountain before mentioned（on th Eeal efde of the inthmua），over the eeat end of Fox Igland，or to the eastward of th，whith will then bear couth＇s little easterly ；you will
ole
(V)
tyi
ทै।
of

$$
8
$$

the




the
12
 the oarr $\ln 0$

        504
        新
        bot
        the
        linc
        by
        bein
        balf
        She
        nort
        10
        then
        I
        and
        6 m
        la
        boun
        wate
        \(\mathbf{I}\)
    tarn
    course and the Bay of ad E.S.E., ound a low The river ranything side of the home, with gs the bay, a, not only ep cliffs on ble height; and half a ing height; th offesiore which lies thare ride terly winds f. or N.W -trade - entrageo 8. leanares; 14.EA.E., E. Lully 20 f Iagrena-
to Port-anlock, nsmed Ced Island: $r 4$ leagues This bay p, ruńning it.
ge of rocks Point, and f middling diles to the y, between rich, near - bay, pro.which, oxwater; this - middio. of h. gales of ain, rising id at about efter to be and half high rock, ague from CN.E and innnol into neof Whioh the Long aide of the ond of Fox ; you will
then be olear of the Long Point Reof, and may haul into the bay with safety; bat, if coming from the N.E. without the Long Ledge, or turning into the bay in prder to.keep olear of the S.W. end of Long Ledge, bring the isthmus, or the foot of the mogigatain (which is on the east side of the isthmus), bpen to the westward of Fox Island, nearly twice the breadth of the island, and it will lead you into the bay, cleair of Long. Livdge; and whin Shag Istud is Brought on with the foot of the high lend on thd soqth side. of Ooal River, bearing then E-- $\frac{4}{4}$ S., you will be within the Long Ledge. There is elso a safe passage into the bay, between the Long Ledge and the main, on either side of 8hag Island, though dare must be taken to avoid. a small ahoal of 2 fathomsilying $r$ W. by N., a mile from the island.

To sail up into the West Bay and Head Harbour, heep the western shore on board; this shore is bold-to. In turning between it and the M/ddle Ground, stand no nearer to the Middle than into 8 fathoms; but you may stand to the spit of the Middle Point into 6 or $\sigma$ fathoms. The anoharage in West Bay is in about 8 fathoms, and in Head Harbour in about 5 fathoms. The West Road lies before a high stone beach, about 2 miles south-westward of Long. Point, where you may lie very seoure from westerly and N.W. winds, in ahout 10 or 12 fathoms water; this beach ie steep-to, - and forms an excellont place for landing and drying fish. There is a good place at the northern ond of Fox Island for the same purposo. The whole bay and the adjacent coasts abound with cod, and extensive fishing banks lie all along them.

The East Road lies between Fox Igland and the enst fhore. To sail up to it, you should keep'the high bluff head; whioh is about a league the E.N.E. of the island bearing to the southward of S.E. by E. $\frac{1}{2}$ E., until the isthmus is brought to the eastward of Fox Island; you will then be within the shoal named the Fox's Tail, and may haul to the southward, and anchor anywhere between the ialand and the main, in from 10 to 18 fathoms.

- To sail up into the East Bay, pass between the island and the east shore; and after you are above the island, come no nearer to the main than half a mile, until you are abrelat of a bluff point above the island, named Road Point, juast above which is the best anchorage with N.E. winds, in about 12 fethome water.: To sail upinto tho East Bay between the Middle Ground and the Fox's Tail, bring the said bluff point on with the S.W. point of Fox Island; this mark will lead you up in the fairway between the trooshosls. Give the island a berth, and anohor as before direoted, in from 8 to 12 fathome water.
me Bay of Islends, the -From the Long Point at the entrance of Port-au-Port to oarpoful to avoid the Long Ledge. The land betrean is. by E. I E., 8 leagues. Be in oraggy barren hills, directly' from the shore. The of considerable height, rising by the many inlands in the mouth of it, partioulariy the three named Guorneor, Twood, and Pearl, which are noarly of equal height with the land on the main.- If you are bqund for Lark or York Harbours, which lio on the SN ? bide of the bay, and are coming from the southivard, run in betwoen Guernsey Iolc.ic nd the South Head, both of whigh are boldtet but with southerly. and S. W. winde approagh not too near the 8outh Head, leat ouma had audden gusts of wind should prooeed from the high land, under which you cannot anchor with nafoty. There are apveral ohaünels formed by the differont islands;ithrough which you, may sail into or out of the bey, there being no danger but what shows itsolf, excepting a small ledge of rocks, whith lies half a mile north-eastward from trophorthern Shag Rook, and in a line with the two Shag Rocks in ond: If you bring thie south Shag Pact open on either side of the north Shag Rock, you will go oloar to the eastward, (acimand of the ledgot, cefest paseage info this bay from the northyard; is bettion theitwo Shaf Boolis then between Twoed and Poarl'Ielendes , h
From Guerneey Island to Tortoine Hoed, which is the north point of York Hesbdur; and the 8.E. point of Lark Harbour, thacourse and distance are ilearly S. by W. TW., 0 miles. Laxk Herbour oxtonds inwards W. by S. nearly 2 miles, and is ont thitedof a large ship, keep the port shore on board, and anohor with a tow point on the starboard nide, bearing WV.N.W., N.N.W., or N.N.E., and you will ride in fe or 7 fathomes. wator, tecure from all winde.
York Harbour lied W.S.W., noarly a league, from Tortoies Heed. There is good turning room hotween the Headand Govarnor's I Eland, which lien before the hirbour;

At you must avoid a shoal running off from a low beach point on the
Vernor's Island, named Sofofd Point. There is aleo is the then off from


 hoach on the main, wif Tortoise Head open of Swor westerly wind fifow her with great violgnoe.
Harbour Isladadies at to entrance of the Rivo I I umbe



 gre well' clothod with timsicuind forminity a great walitont

The Noefh end South Autut ins both lon Vnll





 Who 8 Whiod and tharce 13 or 14 miles, on a simflaf thrse and distance are nearly
 - Gregqis ie low fort a very littlo way inland it risep to to bigh mountain top
 - Minting thentho in round hille, Alo

THAPE ST. GREGOR Y is high, and betweon it and Bomno y the land rises direolly
 mail ag nlong thore botwein Red Island and the Bay of I Lhapds.
Boinfis zay:-This bey may bo known, at the distañee f 4 or 5 loagues, by the land about it; cill thator the 8. W. Fide of the bay being very riy hatal hilly; and that on the N:E. aide, and theade along the weinoonit to the northwrid, bojing low and flat $j_{j}$ though at about one loague ipland, there io a rapge of iniountaine, running parallel with the som-coitc: Orep the gouth tide of the hay is a vory high mountiain, tormlnating at the top'in a somnikible' round hill, very oonspleuots when yot are to the
 into two arms, pee of imhioh runs in to the southward, and the other to the eastward. The southern arm afforde the giot anohortigo ; Bnill vemelo should rido jutst abovo' a low whody poind at the shtunee tato this arm, and the starboind side, befort a sandy totoh, In 8 or 10 fathomswator, whont cablo's lougth from the ohore. There is no othar anchorage in less than 89 or 10 fathome, oxotpting tet the heid of the arm, Where thoie cre from 25' to 20 factholin water. In sailing fnto the oast arm, keep tho starboand ahore od boaid ; and a little way round a polntat the entratico will wo Found agmall eove, with good anchorage in 17 to 80 fathoms, but you mist moot to the stiora
There is a anag oove also olowe within the aorth point with anohorage fin of $\lambda$ fachomie water. If gailing in of out of Bonne Bay, wi" \& sWW. Windt, oomo not near the weather shore, leot you should happen to bo \% , of stiould moot with hoary gaste of wind; tes the depth of fator is tob grea.
At 10 milee to tha northward of Boans Bay is gMe
 Breaks. Broqy tot is low and whito and hisk ahows itcell. . . Wharth nide of Brootm Poit vessolg may drohor with offe hore windel but it in UOOW LEAD lios aboots miler to the northwe
e vory low and narrow neok of land. Abont threo-quarters of a mile of this hemd lies Steoring Islaind, whioh is low and rooky, and is the only island on the coast betwean the Bay of Islands and Point Rioh. Cow Cove lies on the sonth side of Cow Head, and ships may lie there, in from $\gamma$ to 10 fathoms, steltered from northerly and easterly winds. Shallow Bay lies on the north side of Cow Head; and has hator sufficiont for mmallavessela. At the N.E. side of the entrunce is a dusteri of rooky islands, extanding E.N.E. and W.S.W.; and at the W.S.W. side are two sunken rocks close to each other, which generally show themselves; thay lie a eablose lonith from the ghore, and there is is ohaninel into the bay on either side-of them. Stering Island lies right before this bay, and you may page it on cither bide; but come not too near its N.E. ond, as there are some ounken rooks extonding from it. This fo considered the best vituated for a fiahery on all the oonot, and the grounde about ite onvirons are ominonitly produotive.
mranimacinom 3aF.Point Rich, the northern point of Ingronpotioix Bayk is distapt above 60 milos, N.E. $\frac{1}{} \mathrm{E}$. from Steoring Ialand; all the way betweon Shallow Bay and the eeuth point of Ingreneoboix Bay, the ooast forms nearly a straight line without ereek, cove, or sheltar from meavard, though veseli miay here and there anchor, with off shore winds.

About a loaguas from Steering Island, a a mile inland, ttands Portlaid, Fill, so named from ite resomblanco to the Bill of Portland ih the Engligh Ghannel; the appearance of this hill continues the same from whatover point is is viowbd.

PORT BAUNDERS AND HAWKES HARBQUR--Thewo.aro sityated within, and to the esetward of Ingreviahoix Bay.

Keppol Island liem at the entrance of Ingrenichoix; and though at a'distapoc it ap pears joined to the main land, yet there is a passage on dither mide of it: In sailing; into Port Squanders, the island will be left on the étarboard side, and when you are 1 a mile withri the ontrence, anchor in 12 ot 14 fathoms. Vessols proceeding to the head of the harbour must feep the port shore on board, to avoid aliedge of rooks that lies nearly in mid-ohannel. Port Scunders is considered the 'beat harbour for remoly bound to the south ward.

The entrance to Hawkes Harbour in'the southward of Keppol Island. The atarboard shore is shoeh, and has a sand-bank, strotching aloing the land; and rumning out two-thirds of the passifge over, a great part of which dries at low, wator. The course: in is E.S.E., keoping rearer the island than the mein, until the castam, end of the former, alow sandy beech, bears N.E. by N. or N.N.E; then theer 8.8.E. - E. For a small ikland you will seo situated farthor up the, harbour; keeping the port shore woll on board, run direat for this island, and when you have brought the point, at the sointh entrance of the harbour, to bear N.N.E: $\frac{\text { N., and are at the } 8.8 . E \text {. point of a bey on }}{}$ the atarboard side of the harbour; you will then be beyond the ahoal groand, and may anchor inpidofthoms watar; or elee run within half a mile of the mandiand; and anchor thore, whiah will Eo more convenient for both wood and wator. This is the boat harbour for, thips bound to the northward. The lamed rpped about thees harboura is gonerally low and covered with wood. You may oginaionally anchor outaide these, in the Bay of Ingrenachoir, acoording as you. Ind the provailing winds.
POINT RIOH, in lat. $50^{\circ} 40^{\prime} 10^{\prime \prime} \mathrm{N}$., is the couth-meatern point of a poninoala whioh is joined to the main by a very narrow neek of had, $;$ it is ovorywhero of modornto height, and nempints farther to seawisd than any other laid on this mide of

 mat, but yot copabi, of chitying a ship of burthon, mooring homd and plorn $;$ to sail in ou should foce the tharboard shore on board, and anéhor juat abovo a smentil island lyivg in tho midalo of the herbour. In this pleso, and alio, in Boat Covo,

 having at its ontranioe an ieland, numdel Harbon, Inland, and onite wostern cide some




main, and 4 and $\delta$ rathoma betiveen Sarage Itand Rocks and Harbour Island, arid nourly the vame depth between Harbour Ielatad anid the western ehore.
To sall into Old Port au Choix, on the western side of Harbonr Isiand, you must hoep the island close on board; but to go in on the eastarn gide of the illand, gire the north-eantern point of the foland a berth, and having well ontered, you may snchor. anywhere on the port side of the harbour, only avoiding the starboard oide, for a ohool of sand and mud runs all along it.
bict to the conth ord oris is an open and astonsive bay, bounded by Point withln it, and some whinen Point Forollo to the *itorthward, having soveral ieland 81 miles in leagth, and $1 \frac{1}{4}$ broma, and lien Figest of theme islands is St. John's, about on its south-westorn side is a manll harbour, well caltant of miles from Point Rioh; too much expoend for chipping, as sourth-ur, well calonlated for the cod-flishery, but son. On the south-eastern, or initer side of the filand commonly drive in a hesiy Isiand, veeselo may lie much more mecure, in 14 or 16 end betweon it and Ong $/$ iead from most winds; and this is considered to bo the or 16 fathouns water, and sheltered
 rater at its southern end. The ohannel betwegn \$t. John's and Flavig a rook above. 18 to 25 fathoms in it, and the shores are both bold to. The T and Flat rainnd has from from Flat Island, distant a league, and have no de. The Twin Islands lie NE. by N. ward of the Twine are saveral meattered rocke ap dangor about they have deep water aronnd them, but no anokorage water, named the Bay Islands: land is very high, and there is the little river of Castors; the entrance to bhich the dangerous and shallow, therefore seldom frequen of Castors; thp entrance to whioh is bay a rooky ahoal extonds all the way. to iPoint Forolle, stretohing ourn point of this the mbore.
POINT $F$ E
of modorato hoight, and joined to the mein from Point Rioh, distant 22 miles; it is the Bay of St. John's from New Ferolle Bay a narrow neok of land, which divides seen frome a distance. Its northern shore is making it appear like an telaod when emily bo known by the majnoent table lend bold-to; and this part of the oonst will monntain lies from the middle of Ferolle Point Jonn's, the west end of which S.E. 78 .

New Ferolle Bay is a small cove lying to tho fiat all over, there being not more than 2 end $s$ the eastward of the point, and is quite the northorly winds, and has a stage on end shide of it, with part. It is quite open to
ST. MARGARETS BAY is large, and hes eoreral ins plonty of room for othersinlets or coves, affording good anohorage, pertioularly inlandes ithin it, ialso various the beat-ritantion for ships, being mdat onop particularly on iten, wistern ride, which is and watering On its benke are apruce and fr dangor, aud oonvenient for wooding: frosh water Dog Ishand, which is only an islaud at high waty, and many rivalets of Point Forolle fully 8 milea, being higher then any land obar it it has the edstward of whan soon fromin the eastriand, of sn island situated at eome distanice from the main. OLD FEBOLLE.-Werolle Leland lies about 5 miles to the eastward of Dog Island. This islind lies parallel to the shore, and forms the harbour of Old Ferolle, which is very good and rafo: the best entraniee to it is at the S.W. end of the island, puesing to the sonthward of a Bmall island in the entrance, which is bold-to. As soon In you aro within it, haul np E.N.E.; and unchor under the S.W. ond of Perolle Inland, in 8 or 9 fathomes, good ground, quite landflocked: Thero is also good anchor ato any where slong the inaide of the island, and $s$ good ohaniot up to tho N.E. end on the puta On the outart arr some lodges of rocks, a small aitataice off. vieve Heed the ponse is E.N.E. 41 miles; and thend of Ferolle Islend to 8 t . GenoIsland it in north renstivari, about 8 miles. and thenoe to the wpet end of Currant and bofopp this bay, only t eo of 3 miles. There are saveral small islands lying in mentioned Onrrant Ieland is the northere of any considerable extent. The before-
 Huff but pot high; and when you to the E.N.E. of it, the wostorp point will appoar $\rightarrow$ an The other, named Gopeborry lou are to the woatward of it, It appegry flat, and whito: wient point bours from tho woit point of Ourrant Islend 8.8.W.

Gooseberts Island has a eross on its S.W. end, from whish point a ledge of roeks stretohee out nearly half a mile to the southward; there is also a shoal about half a mile to the W.S.W: from the S.W. point of Currant Islend. The best channel into this bay is to the soothward of these islands, between the rooke which wtretch off them and a small island lying'8.8.W. from them near to the south shore. In this ohannel, whioh is very narrow, there are not less than 5 fathoms at low wator; and the courst in is E. by \&. southerly, until you come the length of the before-mentioned island: paeming which, fon thould haul to the southward, and bring Bt. Goneviere. Hoad between the mall jaland and the main, in order to avoid the Middlo Bank. Yoŭ may eithor anchor bohind the 'emall island, in 5 or 6 fathoms water, or proesed farther, with the said mark on, until the S.W. arm is open, and apochor in the middlo of the bay; in 7 or 8 fathoms witor. Wood and water may be procured hare.: There is tolerable good anchoring in moot parts of the bay; but the snuggest place is the S.W. arn; the entrance to it is narrow, and has only 4 fathome at low water. In coming into the bay, if you get out of the ohannel on either. bide, you will ohoalen your pater iminodiately to 8 or 2 fathoms.
BAY OF ST, BARBE.-From the west ond of Currant Island to St. Barbo Point the boaring is E. by N.; 24 yiles; and from St. Barbe Point to Anehor Polăt it is N.N.E., neariy $1+$ miles. Between them lies the Bay of St. Barbe, whioh runs in 8. by E. about 2 miles from Anobor Point. To sail in, give Anchor Point, and all the east side of the bay, \& good berth, to avoid the sunken rocks which lie along that shore; you muet be well in before you can discover the entrance into the harbour. which is very narrow ; then steer south, keeping in the middle of the ehiannel, and enchor as sooh iss you are within the two points, jn a small cove, on the weist side, in 5 fithome water; on sand and mud; quite land-locked. Near this place branch out two arms, or rivers, one named the 8onth, and the other the East; the latter has 8 fathoms a good way up, but the former is shoul. Between the S.W. point of the bey and the meat point of the harbour is a cove, wherein are sunken rocks, which 1. Gittle with: out the line of the two points. In the open bay are 7,8 , or 9 fathoms; but the N:W. winde onuse a heary toz to fall in hers, whioh renders it unsafe.
r From Anchor Point to the extremity of the Seal Islands, the course is N.L league. Off Anchor Point a ledge stretchee W. by 8. about one-third of 14 nie. There are no other dangors between it and the 8eal Iolande but what lie very neiritho shore. The Sel! Islands ero white and rooky, and must be approsohed with care on their north end wostorn sides, beoeupe there are some sanken rocks near them.
From the N.W. Seal Islend to the N.W. extremity of Tlour Ledge, it is N.N.E. nearly 2 miles; part of this ledge appedrs at low water, and there are 10 fothoms olone on its offeride.
Frome the porth part of Flour Ledge to Grenville Ledge, the bearing is E. by S. about $1 /$ miles. Orenville Ledge lies about two-thirds of a mile W. Hy N. from the eastern point of Mittiken Cove, between which and Seal Isiands lie alco Namolese Cove and Flour Cove, notther-of them boing fit for shipes.
SAVAGE COVE.-Olose to the eastward of Mistaken Covo is Savage Coro, which

 fathome wate, with the wind from E: to 8.W.

About E.N.E. 6 large miles from Bandy Bay, is Greon Island; between them, at 8 miles diatant, W. 18 . froph Grieen' Ieland, is the north extremity of Double Lodge, Which oxtends nearly two-thirds of a mile from the shoro, and bas only 8 or 9 foot water on it. Green Island lies about thres-quartors of a mile from the main, is two. thinds of a mile in length, vory low and narrow, and agreeable in colous to the namo it boers; from the onat end of it a ledge of rooks extonds three-fourthe of :a mile to the equy piard, on which the tea breake in bad weather. There aro 4 or 8 fattioms waters:- ochannel between the island end the mala, where ships may anohor, if nocoery: 49 go in from the westward; foepp the islend close on hoiril for the teapeet From this filend to the oppeeite pert in from the enctward, keep the main on boird. Rod Clifiti the bd to the opposite part of the Comot of Labrador, nanted Castlos of abonts is the naxrowest part of the straite of Noll T. and S.8.E. 81 leagued. HeroFrom Green Ioluid to Bont the Straits of Bells Isle.
in Wheltor on the conet, but to the southreastward of Boat' 8 leagues; betroen there - peltor on the oonst, but to the eouthreastward of Boat's Hepd is $a$ Cowo, named

Boat Harbour, where mall veseels and boats may lie vory secure, dxeept with N.E. winds.
Cape Normnitiotwilat from Boat's Head, and is the northernmost point of land in $N$ 80 UN ? Iready stated.

$$
\theta
$$



$$
24
$$ to 30 , arit 1 edme plipon to Chateau, Bay, your soundinge will be Irregular, from 20

the otrait, ${ }^{2}$ will find 25 and 35 foth to 88 gathoms. In the stream, or middle of the
thi Ohaterin Bay" 45 to' 80 fathoms ; iomin, coarse sand and broken ghelle, and towards
nil 25 fithoms. To the northivard, betwieen Belle Isle and $8 t$ Per Ooast are 85, 80, and

$$
\mathrm{hl}
$$ 86, 90, 96, 65, and 30 fathoms. .: Bolle Isle and 8t. Poter's Bay, there are 59 , Oaptain Bayfeld anye:-:Tb

 * prevail. In general the deepent tater nigat, or-a Fork Point to Red Bay, where, how is on the Labrador side, as, for instanco, from Wreck Bay. It is also very deep on thet, sider from Blats by the shallow water fol Xive; but the line of deep. water is not direct, from Blaok Bay to Forteau. Bay inolugetrait, and it is atill more perplexing, that there is, Is deepp. water within 2 miles of the thart of the strait. The depth of wroundlend side, opposite Forteau Biy, as lu any 70 to 20 fathoms, and the nature of the bottom is ant parts from between 00 and sometimes of rook, and at others of atnd, broken shells, pieces of eoral opths, being Fogs oocur with all sontherly and eately, broken ohells, pieces "of coral, or gravel. the S.W. Wind; it it only When the clear weather can be safaly meckoned on. A from becwoon the morth and wert, that Noz the whores an ery mened on. obb in fine weather but it is not there is usually a regular altermation of fleed and the ocith of Labrador, and also ffom th. The flood comes from the northward along The Ihttor atream, I have reacon to believe, from Cape. Be fo Oape Normany Cape Norman, and the same thing takos plece ot Grean turned on whe worthward by ide tegaris Greenly, or Greenlot Island, on the Green Ls side of the Nowfoundland ide mos trer, at itimes, a stram running the opposite side of the atrath There long tio mrett cont of Ne Ferble obliopoly earoas the soundiand. This stream ocosoionally bets from Point with N, E, finds, the ourrent rupg direcs Fortesn Bay. Sometimes, and espeoially coast of Nerfoundlat, from runs direotly in an opposito directien along the weat constancy either in the rete of oint Ferolle past Point Rieh. In *ort there is no tides modify the set and rats of the these atipeamg, for the winds and the irregular is extremely diffioult, if not iñpor equally ine The prax lanesprerent fitm the north to oaloutte upon with any dogree of eertainty.
 many ioobergs Wito tho strait, and frequentiventure of tho frowiggeoing britging up the Gulf. Some of these bergi ground in dean 'lag them thatagh it many milei

 August in one jearywhilst there vert riot abieoes bifice in the frait in the month of month of the following sapon. I have obsotred thin ourre

 bolievo that this report of tron motimes a furrent in the opposito alreotion, and I and whan S.W. winde provait ou the $C$ if is corroot, espooinly during the ebb tide, thening to the wost vard, thep is at timas otrram of marmer water rumning out to Navigation of the Strait at Ne eide, espeoially during the obb tide. that the navigation of the strait is attonded vith very ereat it will plainly appear nighty luring which no reaci thouthented who vory grast danger in dark or soggs wha hir our experienoe, wojoould not be sure of the vemel's poaition within 10 mile, under buoh oircumgtinoes. On the appronoh of a dark or foggy night, therefore, it Fould be prudiont to anohor in mome one of the best in the north ede of the stritit.












## YORE POTNY TO SANDWIOT BAT

t with N.E.
nmost point
8 the Strait ilar, from 20 iddle of the nd towards 85,80 , and here are 59 p
$r$ that thoy ifrequently tance, from water Bay inolu= brouigh the niles of the , 25 in may oen 60 and oths, being or gravel. owise with wert, that flow and ravd alons. Norman. thward by foundland There together, rom Point especially the weat ere is no irregular which it certainty. ind the britiging uy milen rinually than in month of the same did by the sensible:" min, and I obb tide, urrent is ag out to
easterly wind, will, however, find no plice fit for that purpose until aho arrives at Black Bay, and that ie not a very good anohorage, for Red Bay oantiot be patered hy a large veseel with an enstorly wind. Loup Bay la the frat good anchorage under zueh oipoumatances, and there the vessel would be so far advanoed in her run through the strait that it wonld not be worth while to atop, simoe she might easily olear every:thing in the remaining short dietanco. But with a S. W. wind, at the appronoh of night, and appearance of a fog, a roseel bound out through the atrait to the eantrard had better stand off and on under easy sail, tecking by her deep-sea load from the Nowfoundland side till morning, if she be not farther to the esstward than Point Ferolle. If she be farther advanced, she had bettor endeavour to make Forteau Bay before dark, and anohor there for the night. In light winds or calme, during dark nights or foggy weather, it is better to briog up. with a streem anohor any where in the etrait than to drive about with the tides, without knowing whither, but thenia look-out mast be kept for drifting icebergs."

PART II. COAST OF LABRADOR.

YORK POINT TO SANDWICH BAY.

YOHK POINT in long. $55^{\circ} 65^{\prime} 80^{\prime \prime}$ W. forme the west point of Chatean Bay; it is quite bold, aind so is Chateau Point to the westward, but has shoal watar 50 fathoms offit to the B.E. To the N.W. of the point is a ridge of high land named the High Beacon, estimated to be 959 feet above the iea at high wator. York Point may be considered to be the north point of the eastern entrance to the Strait of Bolle. It Mov-. CHATEAU or YORK BAY lies about ig milos N.W. $\mathcal{I}$ N. from theothouthnorn part of Belle Ielis, and 27 miles N. 1 W. from Quirpon Harbour, and may bo
Is reoognized by ite positiou with reference to the remarkable Table Hend and the reoggnized by its positiou with reference to the remarkable Table Head and the
Soter Inlends; , by the high land in its rear; and by there being a etraight and infroiten cosist, free from islands to the westrand of it, but more copecially by the two wall-nided and flat-topped bills, 200 foet high, sifuated upon Oactle and Honley Islands, which lie at its entrance. Within the bay are Henley, Antelope, and Pitfe Harbours, the two last of which are perfectly mecure, and fit for the largeat vessels. The prinoipal entrance to Chateau Bay is between Chateau an' York Points, the latter
 tance of 14 miles to the northward, is Whale Island in the fit, of Temple Bay. Temple Bay has deep water, but no good anchorage, alth den of Tispingt vasels occabionally moor on the west side, just within Temple Pd 15 month ontrance to the bay), where, as also on the north-western side of Whalo lelina, there are hute and stages of the flishermen. On the north nide of Whale Islend is Whale Gut, 200 fathome wide, with a clear navigable ahannel of 100 yaris vith a depth of 4 fathoms. Expeotly half- way between York Point and Temple Pase there is a mall ledge of: rathome water.
Henley Harbour, formed by Stage Ialand, in fit pnly for amall veasols, although thove is a depth of water of from 4 to 6 fathoms. It is a quarter of a mile long by a eable's length wide, and its only navigable entrance foces the south, in whieh direction are the basalt columis of Castle Island. Some swell rolls in with sonthencet Antolope Harbour is on the east side of to the norther of $H$ Ialand, and betwoen the latter and Barrier Point, whioh, vith ite reef, eoparates it from Pitt's Harbour to the northward. The passage leading into both theoe harboure is betwroen Stage and Henley Islends to the eastward, and to the restrand, Whale and Flat Fllande. Thie chom mater extands off to the weotward of Stage. Intind 150
fathome ; and off to the enstward of the south-east extromity of Whalo and Flat Islands 100 fathoms. Besides these, there are three amall ledgbe, the first and outormont of which, with 2 fathome on it, lies exectly in a line from the west oxtrome of Chatoan Point to the anot extreme of Whale Island; 'and with the south extreme of the Seal Itlande seon through the narrow channsl between Castle and Hônloy Islands, boaring E. $\frac{7}{4}$ N.; the meoond, with 8 fathoms on it, lien. 100 fathoms from the oast side
of Flat Ialand; and the third, vith only 9 foet, lies betreen the east oxtrems of Of Flat Ialand; and the third, vith only 9 foet, lies between the enat oxtreme of Point is the Black Rock, small and low, but alimport of Henley Islanid. Off Black Point is tha Black Rook, amall and low, but alivays above wator.
Pitt's Harbour is very auperior to Antelope Harbour, being sufficiently rodmy to acoommodate a large fleet, and woll theltored from all wirds. It is a mile long by threo-quartors of a mile broad, and has a depth of 18 fathoms in the oentro, do of mid.

To enter Antelope and Piti's Harboure, bring York and Chateau Pointa in one, N.N.E. $\frac{E}{}$., and run in on this course, whioh leaves the first ledge 60 fathoms to the right, till you arrive between Flat and Stage Islands, leaving the second ledge on the left; haul a litcle to the northward, and puacoplose to the weatward of the Black Rook, and rounding it to the eastward, you enter Aiftolope Harbour. To enter Pitt's Harbour, as soon as Black Rock bears Etast, ohang your course to N.W. by N., or keop the south-west extremity of the bagaltic oolumns of Henley Island open to the westContinue to run on this you will clear the Barrier Reef; leaving it to the eactward. Island and the weat extremity of Chang mark yntil the east extremity of Whale bearing 8. 7 W. Then ohange your course to N. $\frac{1}{5}$., Or, so as to run up the harbour, with tha last-named marks on, and you will olear the bhoal water extending 60 or 60 fathome off Pitt's Point, and may anohor where you please.
About a milo to the enstward of Henley Island is Sopl Island, and about $1 \frac{1}{4}$ miles further is Dnck Ialand; the space betwoen is named Bhd Bay, a place, as its name imports, of no anchorage. It is open to eastorly winds, atid in it there are rocks both aboro and under water.
The St Potef Islande are a oluster of barren islets, with many rocks above and under water souttered about them, lying about 8.W. 7 W. 8 niles from Tsble Head. The easternmost of the group are ealled the Peterel Islands, becpauso those birds breed on them. Within theee islands, in the main is 8 L . Pater's Bat, afiording indifforent anchorago although neeful in onses of necessity. It is compldfely open to the S.E. Nearly 200 fathomi to the westrard of the innermost ialot is a dfathom thoal, and a reof extende off Point Peter, the sonth point of the baj, 160 f thomis towards the eouth-enat. The anohortge is three-quarters of a mile from the head of the bay in 18 to 20 fathoms, sendy bottom. Wood and water may be obtainod.
Table Hend, to the N.W. of the Petarel Ialands, is very remarkable, being an isolated mases of bacaltic columne apon eanditone, (fiat at top, and procipitous all round,) the buminit of whick is 200 leot above the sem To the enetward pf it is Truck Ialand; to the N.E. of Truck Ieland is Whito Mios Cove, At only for bopts.
Camp Bay is sheltered towards the N.E. by the Inner end Outer Cmp Islands. In the bay are three emall islots, and a rook, awash, 162 fathoms to the oouth -eastivard of the outermbet. The Innor Camp Island; about 800 feet high, and thiforguartors of a mile in diametar, is soparated from the south point of Niger. Sound by a boat: ohunnel in whith are fishing etages and huts. The Outer Camp Islands, $1 f$ miles long; are not quite so high; and are also of bare granite; they are separated from thio former by a ohannel 200 fathoms wide, and clear of dauger.: On the weat side of the intands is $\&$ small cove uited by the fohermen, who moor to the rocks, but arde of the
NIGER SOUND is to the north of the Camp. Islands, betweon them and Capo St. Charles it It abont"1 $\frac{1}{2}$ miles vide, runs up about 6 miles, and containg sereral
 muos in extont, and to the south ward of this is Smooth Island much smaller and lower. them without danger these islands is ungafe, but yqu may pass north and south of
to and phat tand outorextrome of extreme of loy Islands, ho east side extreme of Off Black

7 roomy to ile long by oentro, dobottom is ats in one, ioms to the dge on the 3lack Rook, Pitt's HarN., or keep 0 the west3 eactward. of Whale at in one, he harbour. g 60 or 80
at 11 miles its name rocks both
above and tble Head. irds breed indifforent 0 the S.E. ooal, and a wards the the bay in
og an iso iil round, in Truck - eastward -quartors by a boat: 11 miles from the ide of the re unpro1 Capo 8 t. a soveral about I nd lower. south of - heed of ioh is the
harbour, may be reedily known by the round bill of the anme name, o6t foot high, bearing N,W. by W, 850 fathoms from the cape, and which is the highent lapd on this part of the const. The harbour may also be known by St. Charles Ieland, , ittuated a long. mile off the cape to the 8.E. by E., whioh is high and about half a milo. in length, with several large rooke olose off ite inner aide; outade of it is Low. Island, to the south-west of which ebout one mile, is the situation of a reported danger. Betreen these islainds and the oapo is a clear navigstle chanjel.
The harbour is formed by three islande, which lie along the enst side of the oape. The apaoe in which veseels anchor is about 600 fathoms long by 280 fathoms wide; and the depth is from 5 to 12 fathoms on mud. South-east winds bring in come ies, on which asoount it is not considered a very seoure harbour for large yeveels, exoepting in the finest months of summer. The south-easternmost island protecting the harbour is Fisbflate, betwegn which and the main small vossele may be perfoctly secure in 9 to 10 feet water, by making fast to the rocke, but this obannel oannot bo made use of as in approach to the harbour,' being too ehallow to be eervioeable. Blackhill, whioh is high, black, and precipitous, is the next island, and Spafe Island is the innermost. The channel out of the harbour to the N.W. of Spare Ioland, is intrioato, and only fit for boats. The entrance into the herbour is between Fishflake and Blackhill Islands, and ia guite olear. The S.E. extreme of Fighflake Ioland appearn like the extremity of Cape Charles, and bears E. by 8. 1 t miles from St. Charles Hill. When running for the harbour, steer for the north-eate side of Fishflake Island, so as to pass its south-east extremity at the distance of about 150 fathome, steering N:W. by W., and that coarse will tuke you through the ontrance between Fibbfiake and Blackhill Islands, into the harbontiz clear of all danger. There are three amall rocks above water off the N.W. point of Fiahflake, but they aro bold-to, th are also the shofes on either side.*
St. Charles Channel is betweon the minin and Caribou, Size, and Muddie Islands; it copptains deep-fater, with no detached shosls. The course up the centre of this fine channel to the Narrows, is N.Wi $\frac{1}{}$ N. 81 miles. A run of haff a mile North, through the Narrows, leads into the ohannel, between Mudde Iuland apd the main, which is deep, and free from all dangers.. The courne through this ohannel to the mouth of St. Oharles Riyer is N.N.W. $1 \frac{1}{2}$ miles; and a vensol may either run up that bay to the westward, or through Muddle Channel enstward, into St. Lewis Sound. 8t. Charles River runs East, and is nearly a mile bromd, but about 2 milos up it beoomes narrow and intrioate. Wood and water may bo had in abundarice up this inlet.
nis zuris mourd.The north point of St. Lowis Sound is Cape 8t. Lowis, in lat. $62^{\circ} 21^{\prime} 24^{\prime \prime}$ N., and lang. $55^{\circ} 41^{\prime} 28^{\prime \prime}$ W.; it is composed of precipitous," dark' rod granite hills. At its southern extromity is a mall rocky peninsuls, and pearly a mile to the enstward of this is SL. Lewis Rock; clove to the ghore.

The Round is about 4 miles wide at its entranco, between Cape St. Lewis and North Battle IBland, the bearing between which is 8 . by W. 1 W. It is about 8 miles long in a N.W. by W. direetion, from its entratioe to Telograph Point at St. Levis Inlece The shores are for the moat part quite bold, and the water is every where extremely deep, oten exceeding 60 or 60 fathoms. Nearly in the oontre of the Sound are the Midde Rocke, and firther in the River Islands. In the fall of the year, a heiry ground swell called the undertow, sometimes rolls into the sound from the enstward, as far as the entranch of the Inlet, whioh comes in tremendous wives, often without wind, and burstieg f Mots 80 feet high, proceeds with irresistible foroe against the sides of the predifledett is, however, not so dangoroue to boats as the short breaking sea of Mie Giff, and it disoovers shoals, ate everything with less than 4 fathoms on it in sure Yo breat.

On the north side of the Sound there is a small cove, named Fox Harbour, at 18 miles N. W. from Cape St.' Lewris, which affords secuse anchorage in 5 to 8 fathome, muddy bottom. The oast point of the harbour is low, with several fishermen'a
 must be left about 60 or 60 fathome on your right, to avoid a reef, partly abovo water, which rune of the south-weot extromity of the point separating the harbour

[^7]from the unshaltered bay to the westward, and forming the north side of the entrance:

## the

 is soarce. 800 fathoms within the entrance. Water may be procired, but woodDeer Harbour to the westward of Fox Fiarbour, is protected from southerly winde by Marnham Island at the entranoe, whioh breaks the fairway into two ehannels. bold-to to the rocks on either side; the other channel is and has 19 to 81 fathoms, and no dangers which cannot be seen, and the harboin will accommodate any number of vessels, which can beat in or out with facility. Open Bay to the south-west of Deer'Herb head, but exposed to the 8.E. The water, like thet afforde good anchorage near its ST. LEWIS INLET. The south point of Open Bey heer Harbour, is deep: water, named the Black Reef, betwieen whioh and the Biver has off it, gome rocke above. St. Lewig Inlet, of nearly a mile in width. The depth is generands abote entrance to so that there is no good anehorage until at Black Fly Island, 9 miles from the ens trance, under the west side of which there is good riding in 5 to 9 fatboma, on a bottom of mud and atones; here wood and water may be readily obtained. Above this the navigation is intricate, but it is possiblo to take a vessel not drawing more than 18 feot $0 \frac{1}{2}$ miles farther up. Above Black Fly Jsland is Wood Island, about a mile in length. When running for the Inlet, steer N.N. W. 1 W. 2 年 miles from the Noout 40 feet high,) and heving Miven the Rocks, (two bare rocks olose together; and left, eteer N.N.W. 4 W. for 2 miles or mem a berth of two or more cables on your bare, with shoal water a thort distance of more, whon the two Seal Islands (smadl and on your left Change your course now to N. W. by W. $\frac{1}{2}$ W., wand runtin through the channel to the northward of the River Islands, whieh is three-quarterg of a mile wide, and clear, except two small islands wioh must be passed to the sofuthward at the distance of a cable.

The River Islands, forming the south side of St. Lewis IsInd, connist of Kalmia, feet high. Off the east side of Pocklington Island are several amall islets, the easternmost of which are the Sepl Islands; and there is also a small sunken roplof the the ses usually breaks. Betwe island, at the distance of a quartar of a mile, updit which sible to anchor, though the depth is great, exceeding 80 man, to the weatward, it is pas-:

Within the 'River Islands, in the main, is Fall Harbour, a wittle maddy bottomat small vensels, with inferior fiding aud exposed to the easterly awell; the depth is three fathoms. To the esstward of thia is Cutter Bay, fit only for small veeselepth an three. of an inadequate depth of wator; and some rocks lying in it. "Isthmus Bay is too much exposed to be of much service; from hence the coastruna to the'north-eatsward 2 miles to Cape Club, off whick yeef extends 70 fathoms to the eastward. At $1 \frac{1}{4}$ miles S.E. $\frac{1}{2}$ E. from the cape are the south Middle Rocks, above the water, but it is not advisable to approach them nearer than \& eables" longth, unless "in fine weather when, shoals
can be seen."
 Islands, among, and within which; are some good "harbours.' Muddle Jinnour io a snug little harbour perfoctly land-locked, with 4 to 10 fathoms; between Surf Island, Size Islánd, aud Mudde Island; to enter it from St Lewis Sound, steer W.N.W. be kept close-to and steer from it S.W extrome of Graat Caribou Island, which may Channel, betwepn the south-east end of Wi one mile to narrows of Caribou Caribou; then proceed for 600 fathoms Surf Lelind, and the weet end of Great Size Islands, kepping at first nearer to to ards the north-west between Burf, and in midrchannel, then heul in to westwerd, and anoh the latter, and afterwards
 ths,ex, ing, both south-west and north-east, of the conet the south-east Island is Reefs art about half is mife apart, and east, of the coast of Labrador. The Ribb north reef bears East It miles from North Battle Island; the from eef other; the them, and vesseli ought to pass outgide of them. West of the is ar breaks on Island, which is 9 hiles in circumfrence; its south-eaet , int in Grest Carjbop open to seavard, and there are weveral ialets, and tocks. 4 broken intg coves
the entrance: ed, but wood
therly winds no ohannels. fathoms, and

There are y number of ge near its. depp. rocke above. entrance to 8) fàthomb, rom the enthoms, on a ed. Above wing more nd, about 2 es from the gether, and les on your (mmell and 00 fathoms hroagh the mile wide, rard et the

## of Kalmia,

 about 150 I, the eastock off the pot which , it is pos. y bottom. it only for' th is three. n accouft too much rd 2 miles iles S.E. advisable en , thoals of Island V:N.W. hich may Caribou of Great Bürf, and fterwards se. The islend is the Ribb ber; the reaks on Caribou to coves tanken:-
the ehannel over, to avoid which you must keep the southern side on board 5 you will Fishing Island, the course is N.N.E. I N., and the dis itance to the' northernmost Islands are three in numbar: the two northernmpst are conneoted by a beach, which, with the main, form Fishing Ship Harbour, where ships may lie land-locked, secure from all winds, in from 14 to of fathoms water. The ontrairce is to the southwerd; on
rd yotu will within the $y$ giving the N.N.W. $\frac{1}{2}$ N. 10 mb , but as ore than 12 leep nearer d, about 30 be harbour, the head of
course and of the three nearly half re harbour, onsiderablot arbour, one which lies arrow inlet, oms in the do its head, 3t. Francis eon Island, ietween the mall whit rou will see besels go to sur. Mersmall, but aby Island is cape, in whieh has dian Bight only 2 and Islatds, m Indian age it will mile; you lly anchor nd of Fox er Island, r. There affording but wood Id Jaipper and there tid, upon this reef or out of

The best passege will be between the two western islands, that entranoe bearing from Hare Island N. by W. *There is no danger in this channol, and vessels may sail right through it; in nearly a $N$. by W. direction, up to the very head of the harbour; and anchor in 12 fathoms; here there is good room for ships to moor. There are two other passages into this place, one to the westward from the entrance of Gilbertis River, the other to the northward of all the Fishing Islends ; the latter has 7 fathome throughout, but is so nsrrow that you will have some difficulty in discovering the opening.
GILBERT"S RIVER.-Between Fishing Fslunds and Granby Island to the southward is the northern entrance into Gilbert's River ; the southern and widest entrance being between Denbigh Island and the main:' there is also an entrance between Denbigh and Granby Islands. The passage in has deep water everywhere: The course of the river is nesrly N.W. by $\mathcal{N}$., for about 6 miles $\mathrm{i}_{\mathrm{i}}$ it then divides into two brapches, one running N.W. by N.; 7 or 8 miles, the otlier S.W. by W., sbeut 8 miles. Both these brapches are full of rocks, small islands, und shoals: but in the middle the anciorage is good, all the way up, from 20 to 10 fathoms. This river has also a passage out to sea, between Hare and the Fishing Islanids.
CAPE ST. MICHAEL-At 6 miles N.N:E. $\frac{1}{4}$ N. from the northernmost Fishng. Island, and 16 miles N.N.E. $\frac{3}{1}$ N. from Spear Point, is Cape St. Michael, which is hig ${ }^{\circ}$, and steep towards the sea. It lies in lat. $52^{\circ} 47^{\prime}$ N., and besides being high and steen towards the sea, may be known by a large bay, named St. Miohael's Bay, to the northward of it, having in it a number of large and, smull islands. The largest of these islands, named Square Island, lies in the mouth of the bsy, aud is $3 \frac{1}{d}$ miles longit and very high; ite north-east point is a high round hill, and makes in coming from F the southward, like a separate ialand, being only joined by a low, natrow neck of land.

OCCASIONAL HARBOUR. - About 24 miles to the mouthward of Cape St . Michael, is Occasional Harbour, which may be easily known by the Twins, two large rooks, lying $\frac{3}{3}$ of is mile outside of the entrance. They are very noar to each other, snd vessels may pass on either side of them; the entrance to the harbour is between two high lands, and runs in"W. by N. for two miles, then N.W. by N. ; both sides are eteep-to, withont any dangers; good anchorage may be had; in from 10 to 7 fathoms, about 2 miles from the entrance. The wind betwedh the high land sets right into or out of the harbour.
From Cape St. Michael to Cape Bluff the course and digtance are about N.N.E., If miles. These two capes form the pointagtientrance to St. Michapl's Bay.

ST. MICHAEL'S BAY.-The best dochormge for small vessels in St. Miohaelif Bay, is on the south side ; that is, keep Cape St Michael's shore on board, then keep along the south side of the first island you meat with, ingmely, long Island, till you are nearly as far as the west end of it, where you'thay anckior in from 12 to 20 fathoms; land-looked, and may work out to sea again on either side of Long Island.
From Cape St. Michael to the entrance of Square Island Harbour, the course is N.N.W. $8 \frac{1}{2}$ miles ; in the entrance lies a: emall $i$, of a-moderate height, to the westWard of which is the best, passage into and oitt of the harbour, there, being only'2 fathoms water in that to the eastward of it :

About a lesgue N.N.W. fromi Square Island Round. Hill, lies the entrange into Dead Island Harbour, which is forly fit for small vessels, arid is formed by g number of islands. Between these islands and Cape Bluff there is a passage out to sea-

Cape Bluff is very highlend, ragged ait the top, Ind steep towards the sea. Cape Bluff Harbour is small, and only fit for small vessels. To sail iuto it, keép Cape Bluff shore on board till you come to a amall island, then pass to the eastward of it and anchor.

From Cape Bluff to Barren Island thp course is north-eastward, घbout a league; and from the south point of this island to Snug Harbour theicourse is N.W. by W., 14 miles. This is but \& small harbour, but in it there is very good amohorage in 26 fathoms water, and there js no danger in sailing in or out.
One mile to the northward of Barrer Island lies Stony Island; and awithin these islánds, in the main, are. Mertiñ and Otter Bays, in the northernmost of which is very good anchorage ahd plenty of wood, and no danger but what shows it Mf.
DUCK HARBOUR.-On the western side of SGhy Ialand is Duck Herbour, whioh is' very' good for small vessels. Large vessols may anchor between the west point of Story, Igland add Dorible Island, in 20 or 24 fathoms water, and máy sail out to eea
again on either slde of Stony Island, in great sefoty.
HAWK ISLAYD lie mile to the northward o
"HAYKFISLAND lien mile to the northward of Stony Island. Within Hawle"

Island lies Hawke Bay, which rang to the westward 2 leagues, and then branchea into two arpsa, one running to the W. by S., 2 leagues, and the other N. by W., 5 miles ; these arme are well supplied with Frood. After you are within Pigeon Island there is very good anchorage up to the bead of both arms.
On the south bide of Hawke Island lies Eagle Cove, wherein is very good anchorage for large vessels, in 30 or 40 fathoms water. Small vessels may anchor at the head in 7 or 8 fathoms.
CAPLIN BAY.-Onthe main, within Fawke Island, about 5 miles to the E. by N. of Hawke Bay, lies Caplin Bay, in which is very good anchorage and plenty of wood. PARTRIDGEaBAY lies 4 miles to the northward of Hawke Island. In this bay there is very good anchorage, but difficult of access, unless you are acquainted, on land herimbont may be easily kriand and rooks which lie before the entrance. The. high and barren table hill, and all the the southern point of the bay is eremarkably is jigh, while that to the northward of it is bowiveen this hilf and Cape St. Michaiel SEAIISLANDS. From Card of it is low.
the coumse is XY.-From Cape St. Michael to the pouthernmost of the Seal ISlands N.E. $11 /$ puiles; tiais latter island is the easternmost to Round Hill Island it is about and mif be known by a remarkable hig eastornmoat land, on this part of the coast, Fron Round Hill Island to Spotted Island hillon the western part, of it.
leagues. From Spotted Island the land trends N:NT.-Westerly, and is fronted with numerone islands.
SHALLOW BAY.-From the southernmost Seal Igland to White Rock, the oourse is N/N.E. $\frac{1}{2}$ E., about 5 miles ; and from this tock the conres into Shallow Bay is W. $\frac{1}{2}$ small rock which fies off a crably good anchorage in this bay, and no danger except a this rock is uncovered at low water. There is vert little wood on third of the bay over: From White Rock to Porcupine Islare is very little wood on the shores of this bay. This island is high and barren, and you may poourse"s. N.N.W, distan't 2 leagues. Bay, where you will have very good anehoraye pass on either side of it into Poroupine SANDY BAY lies on the eouthern side of the It from White Rock. In it there is very good anchorand of Ponde, and N. 1 W. 5 miles bottom; but wood is exoeedingly scarce, otherwise this would be a convedient plect. for fishing vessels. Between this bay and Spotted Island are a great num place islands and rocks, whioh render this part of tiee coast dangerous. great number of SPOTTED, ISLAND is high barren land, and may be known by several large white spots on ite eastern side. It is about 8 miles long, and 3 miles broad, and the northern part liee in lat. $68^{\circ}$ 25 ${ }^{\prime}$ N. Wrthin this island, to the westward, lien Rooky Bay : you may sail into this hay by pussing to the north ward of Spotted Island, and between either of the islands that lie before the entrance of the bay. There is no good anchorago in the bay, the ground heing roeky, until you are between Level Point and Eagle Island, where you may anchor in 8 or 10 fathoms water, good bottom, taking care to give Level Point a good berth. The best anchorage is on the west side of Eagle Duck Rooks, you may boirkter, muddy battom. Passing between Eagle Rocks and you may run up and anchor on either side to within two-thirds of a cable's length, or, and be handy for wooding and watering.

From Spotted Island to Wolf Rock, the course is N.N.E. $\frac{1}{8}$ N., 18 miles. This rock just appears above water, and is about 10 miles from the main. There are some sunken rocks about it, and several islands between it and the coast.
Indian Island lies 2 miles to the northward of the eutranoe of Rocky Bay; it is remarkably high lsnd, the western ond being highest. Between this island and the main is tolerably good sbelter for small vesselc, and it appoers, to be a good place for a seal fishery.
SAND-HILL COYE-About 4 leagues to the westward of Indian Islend lies SandHill Cove (so nimed from several sand-bills lying on the southern side of the entrance): in this cove is tolerebly good anchorage alinat 13 min within the entrance, in 8 and 4 fethoms water, sindy bottom. In sailing intc ve take care te give the north. point a good berth, there being a leadge of ro cretohing of from the point about
TABLE BAY.-The south head of thestwardalong ehore for alout 2 oablós'. length.

## sma

this
obta
H

- only
you
the
lies
the
and
gefe
Har
age
and
isla
S
on i
6 or
that
the
shor
ings
from
Islai
wide
wath

Hill Cove, and may be known by a remarkabla table hill on the nprth side of the bay, at about 8 milos within the entrance; this hill may be seen frew the Wolf Rock, which lies N.W. $\frac{1}{2}$ N., $7 \frac{1}{3}$ leagues from the entrance of the bay. In the bay, about 4 miles from the ontrance, lies Ledge Island, so named from a ledge of rocks atretohing to the westward from the island up the bay for about 2 miles. ${ }^{\circ}$ On the south side of this islaud is anohorage, in 12 or 14 fathoms water, in what is named South Harhonr, or, you may run higher up and anohor'ta Table Harbour., On tbe north side of the bay, just within Ledge Island; lies North Harbour, in whioh is very good ariohoraǵe. In sailing up the bay on the northern side of Ledge Island to Table Harbour, take eare to koep the main olosé on board, in grder to zyold a rock lyinĝ nearly half-way between the north-western extremity of the ledge off Ledge Island and the main.

THE GANNET ISLANDS are a duster of ialands lying from ahout 7 to 11 miles from the main ; the outer one beers N.N.W. 童 W., 10 leagios from the Wolf Rock.

CURLEW HARBOUR lies nearly'S. W. of Gannet Islands, gad may be known by a round green island lying before its entranoe. The ohannel into the harbour is between this island and a low point of the main to the southwhed of it, having a small rook above water, close to the point: there is no danger in sailing into this harbour. The best anohorage for large vessels is about 2 mile withinthe entrance, bringing the emall rook off the point of the entranoe on with the northern point of Long Island (whioh lies about half a league to the N. by W, of Green Island); they will then lie in 14 or 15 fathoms '̂ater, good bottọm. Small vessels may run higher up, and anchor in 10 or 7 fathome witer. On the southern side of the harbour is a shoal, lying at a small distance off ehore. There is no wood to be had in this harbour, but water is plentiful.
ISTHMUS BAY. - Round the western point of Ourlew Harbour lies the entranoe into Isthmus Bay: in sailing into it from Curlew Harbour, you should keep Great Island on board, in order to avoid a shoal that atretohes off the point towards the islapd. There is another passage into Isthmus Bay, between the western point and a small bare rock of a moderate height, that lies off the south point-of Great Island; this passage is narrow, and has 5 fathoms water in it. Both wood and wator may be obtained here.

HARE HARBOUR.-One league to the westward lies Hare Harbour, whith is -only fit for emall vessels, the ground being foul, until you are near the head, where you may anohor in $3 \frac{1}{\frac{1}{2}}$ fathoms water, good ground. Hare Island, which lies before the eqtrance to the harbour, is high land. The eastern point of Huntingdon Island lies about 2 miles to the northward of Hare Island, and W.S.W. $\frac{1}{4}$ W., 18 miles from the outer Gannet Island; it is of a moderate beight, and is in length, from east to west, 7 miles. About $1 \frac{1}{2}$ miles off the esetern point of Huntingdon Island are Seddler and Leveret's Isles, and to the northward of the latter is a rocky flat. There is a sefe pasagge along the south side of Huntingdon Ieland, leading to Huntingdon Harbour: in it you may anohbr in from 15 to 5 fathoms water, but the best anchorage is in about 6 fathoms near the island ; here you will lay secure from all winds, and be very handy for, wooding and wataring, there being plenty of both on the island.
SANDWICH BAY.-On the S.W. side of Huntingdon Island liee Earl Igland, on either side of whioh is a passage into Ssndwloh Bay, whioh is a very fine one, beiug 6 or 8 miles broad and 6 leagues deep, having plenty of wova, and four fine rivers that seem to be well stored with salmon. There is very good enchorage in a cove on the east side of this bay, and on the north side under a high mountain; from the shore at the fook of the mountain and for about 5 miles, to the weatward, the soundings atretoh off gradually from 5 to 25 fathoms, muddy bottom, and are about 8 miles from the shore. The passage into the bay, on the west aide of Hantingdon and Earl Islande, hes not been sufficiently sounded to he recommended; though it ie, by far, the widest. The passage on the ecest eide of Earl Isiand is narrow, and has but 8 fathoms water in it.

## FROM YOBK PONTT TO OAPE WHITTLE.

Paooreoing weatward from Yorliz Point, glong the Labrador aide of the 8 trait of Beht Iold, the oonst is etrrigh and bold to Wreok Bay.

## FRQM YORK POINT TO OAPE WHITTLE

head, but affords no sheltor. Off the east point of this bay, the the distanoe of 01 miles basaltic columne of Henteh of rocky ground, with $\$$ fathome least water. On it the Point; and Barge Point, the naste Ielandes are just open to the southward of York 6 miles. The bottom can be plainly seen on thie westward, bebre W. by $\mathbb{S}^{\prime}$, "distant heary atwell upon it in eastorly geles, and frequently patoh in fine weather; there is'a ground upon it.

Barge Bay, $4 t$ miles, to the
GREENISH BAY,0 miles W, bard of Wreek Bay, affords no anchorage. entrance but narrows withfn. Small N. from Barge Bay, is about 2 milos wide at the is of sand, not very good for holding, and it oocasionsilly anohor in it ; but the ground Abont if miled W. by S. from the west point open to the wind and sea from the S.E. bare rock; the south extreme of whioh beint of the bay is Oib Islet, a small. low, and Nearly 14 miles to the westward of thits isset, w. I N. With it miles from Barge Point Point ing one, bearing E. $\frac{1}{\frac{1}{2}}$ B., lies the Sunke, Led with int sauth oxtreme and Barge low wator, on which the sos usually breaks. Thes small patch of rocks awnsh at of a mile from Twin Island, which stands close to the tooks bemr S.E. $\frac{t}{3}$ Et, abonit sosths RED BAY is an excellent littlo harbour, perf the east point ff Hed Bay.
formed by Saddle Inland, lying off the entrangerectiy sheltered from all winde. ${ }^{*}$ It is a hill at each end about 100 feet high. ennoe of a bay of the mmein, whieh island has distance of three-quarters of a mile, is West Bay westward of Saddje 1sland, at the in westerly winds, in 10 or'12 fathoms wator, Bay, affonding tolerable anohorage easterly winds. The outes harbour of wator, over gandy bottom, but exposed to Harbour Isla, at the entrance of the inner Bed is between Saddl Ieland and fathomg, muiddy bottom. The entrance of this hour; and the depth is from A'to 9 100 fathoms wide, and the appee to anohor in to hainour frop the westrard in about wide. There is no entrunce eastward of Saddle is 400 fathomás long, by 200 fathoms to the N.E. of this anchorage is tha entranoe to the exieept for boats. - Immediatoly Harbour Isle and the main to the éstivard, and the inner harbour, Whioh is between on either side diminishet the deep water channel to fathoms wide; but. shoal water depth that oan be carried in ts 7 fathoms. Within thout 50 fathoms in 'broadth. The threequartẹrs of a mile in diameter, 16 or 17 fathothe is a capaciaus basin, neaîly Where many vessels might bepely winter. 17 fathoons deep, over muddy bottom, and Oaptain Bayfield seys thet it nothing larger than a echooner of 160 bay is oasily entered with a leading vind, but the harbour to be avoided are the Sunk Lean beat in on out. The dangers outside rooky shoal about 170 fathoms off the equth side, off the Twin Island; another small , about 70 Pathoms south from Peninsular Point. etstward; the first will be ávoided by keeping Greenien Po for the harb ar from to ward of the bare islet to the westward of it, till the west ext just open to the sonth. beare N.W. \& N. Then stoer M:W. $\frac{1}{2}$ W. for the entrest extremie of Saddle Isiand Taland and the point of West Bay, taking orve not trance of the bay batween saddle Guariter of a mile, or by the lead than 11 or 10 futhoms $g 0$ nearer to the former than, a Saddlo Islahd boars N. by W., you migy haul inp for it, As soon as the west ond of within 20 , fathoms ; but observe that farther in for it, and round it to the eapterard islapd, there is a reef runing out 70 fathoms in, that is, off the north point of the Ielana, "The offinnel between this reff and the thorthward, or towards Harboni Harbour lele, wlth the main tand to the westwand of it and of lerge stones oprnedting soon as you are through this entranoe, you thny it is only 100 fathoms wilic. As serving that thers is, shoal wator all along the inny ohoone yotr anohorage, only pb distance of 70 fathomis. A teqpel mpprdid here will be perfectly segure frand, anh to the but if you wish "to go into the inner harbour, there perfectly secure from all winds; with your chart, or if you first mand a boat to loot ar thill heq no diffigulty in dofng so In approaching Red Bay trom the poat to look at the narrow entrance. the rook off the Peninsulan'Poípt neer Wert Bey there is nothing in the way; exoepting 80 olose to the shore, may bof eacily avoided."
Carrol Cove, about 81 mllom WY by S. from Ried Bay, is very amall, but affords ac oommodatiod to a fow vesiela. About 4 miles to the westwerd of Ourrol Cove is the which have of dangerous rock is a milo.aptert, named the Little St. Modest Islande, from the weet extreme of the western isle. St wr off them, half a mile S.E. by 8. rom the
ivide side. B) It is in 10 Ther $\because \mathrm{Fr}$ Diab magr milo the $e$ estah trem Jonse FE Aimo each A) th in 82 whicl to P Strai sum best Amo
ance of 01 miles ter. On it the uthward of York V. by 8 ,"distinnt theer: there is'a ingbergs often 4
horage.

## iles wide at the

 but the ground from the S.E. smaly' low, and a Barge Point ome and Barge rocks amash at Bbont Sinths Bay.linds. It is lieh ieland has Lsland, at the ble anohorage exposed to Ioland ond from aito 9 rard it sibout 200 fathoms In mediately ch is between shoal wator readth. The besin, neaîly bottom, and mg wind, but gers outeide nother small rool awigh nar from to of the sonith. idde Island wéen saddle rmer than. a weet fond of be eaptward oint of, the do Herbont oonpeoting I wide. As $\theta$, inly pb and to the al winde: in doting so
oxoepting
ich, being
afforde ac fore is the 3t Islavide, 3.E. by 8. to.or ग्रो
eide of Black"Bay, is bare; within it, fishing vessels moor to the rocks on either side.

BLAOK BAY, 11 miles west of Red Bay, is 3 miles widé, and abont 2 miles deep. It is open, to S.E. Winde, which send in a heary swell, but there is tolerable anchorage in 10 fathoma'off frme saindy beach, to the west of a river at the; head of the bay. There is a' rocky ithoal of 2 fathoms one mile N.E. of St. Modest Island.
From St. Modeast Island, 14 miles 'S.W. is Gape Diable, and to the west of this is Diable ${ }^{4}$ Bay, whioh with Loup Bay, 3 miles farther, mas be readily known'by the andinificent oliffs of red saindstone, 300 "or $c 400$ feet high, whioh extend two or three miles between them. "Schooner Cove is on the S.W. side of Loup Bays it is open to the eastward, but fishing ressels use it in the summer monthe. There is a fishing establishment and eeveral houses in this oove: The anchorage in Loup Bay is extremely good; partioularly in the N.E, cornet of it; ;and although open to the sopth, ressels ride here all the summer.

- FQRTEAU BAY, 4 miles west of Loup Baynis 4 miles broad between Point Belles Anours, the 8.E. point"end Pbint Forteau, the 8. W. potatewhich points bear from each other E. $\frac{1}{}$ S. and W. I N.! it is about 24 miles doep; and runs to the northward. A) the head of the bay is a fine sandy, beach, and allarge and rapid river, abopnding In salition. Thete is a fiñe fall of wator 14 mitas within the bay, from Point Forteau, which, with a remarkable, high rock off the S.W. of Point Belles Amours, will serve to ppint out the bay to strangers. It ls' considered to. be the best rondstoed in the Strait of Belle Isle, and the Jereay vesselig employed in the fishery lie moored all the gumaner ; they chave large fishing establishments on the west side of the bay. The best ánchorage is on the N. W. vide, opposite the 'fishing establishments. From Point Amour, across, the entranice of the Strait of Belle Iele, to the N.W. extremity of Newfoundland, the distance is $9 \frac{1}{1}$ miles. $h$

Four miles $W$.N.W. from' Forteau point is a sumall bay open to the southward, named St. Cldir, which affords no anctórge. Off its east point a small low islet and reef extend some distapee.:

About 3 niles to the westward of St. Clair Báy is the hay of Blene Sghlon, whioh ia axposed to westety winds, but sheltered to the S. W. by two islands 右amed Wood and
 winds from the weet, which send in a very heavy sea. It is a mile deep, and 14 miles wide ; anç on a projeating point at the head of the hay, are the buildings of a fishing establiehment. Close to the east side of this projecting point is a reefof Tocks which runt off 800 fathoghs from the, shors.

Wood Jöland, off Blano Sablen" Bay, is low and barren, and ahout $1 \frac{2}{3}$ miles long; it has some fî̀hing établishments' on izs east side. From its west side a reef exterds a quarter of a mile.'

Greenly Jiland lige $1 \frac{1}{4}$ miles "wist of Wood Island, and between them is a clear channel: Off the soluth point of theisland, at the distance of about 200 fathoms, is a rocky shopl. On its east side is a oove sometimes used by the fishers, but this anohorages es well es that under Wood Fsland, is not good.

9ne mild and e helf weistward of Blano Sablon Bay is Gulch Cove, a small inlet of the main, off the entranpe of which there are some rooks which shelter it ; it is so narrow, that there is not rodm for the smallest sehooner to turn abqut in it, henoe the vessels, . Wioh frequent it are wirped out stern foremost.

From Bland sablen Bay to Grand Point, the distance is $2 \frac{4}{4}$ miles. Off it is a dangerous reef of reoks, 850 fathome to the south and weet; and eastward of this reef, for $1 \frac{1}{2}$ miles there are rooks abobe and under water, extending off the ehore for a quarter of a mile in bome places.

Perroquet Islaìd lies N. by W, 1 W. $1 \frac{1}{4}$ miles from Grand Point. It is high, and less then halk milp, in diameten acd frequented by vast fincks of puffins. It is nearly balf a mivfrom the land, but there is no channel between.
Three miles in the same diregtion (N. by W. $\frac{1}{2}$ W.) from Grand Point, is the edge of the eboals on the soluth elde of Lgdges Island, between which island and Permoquet is the piaseage to Bradone Harbour. Opposite to the oentre of this island, on the main, to the easirard, is in, ostablishment which is about $1 \frac{4}{4}$ miles N.N.E. from the west aide of Perroquot Islend,

BRADORE HARBOUR-Bradore Harbour, on the east side of Ledges Island, shoukd be approsobed from the southward, between a ohain of islands off the folarid,
which are quite bold-to, forming the weatern side of the ohannel; and the eoast of the main, on which is the before-mentioned establishment, forming the eastern side. There is no passage to this harbonr to the north or west of Ledges Ielands, ts the epace is orowded with rooks and dangers, although there is a narrow and rory deep channel for minall vessels close on the island. To enter Bradore Harbour, coming from the eastward, give Grand Point a berth of half a mile, to avoid the reefs lying offit, or take cere that the weat extreme of Perroquet'Island does not bear to the west of North. . Perroquet Island may be passed dis near as a quarter of a mila. Having paseed it, haul towards the entrance till the west extreme of Greenly Island is half 6 point open of the west extreme of Perroquet Igland, or bearring S. W W., in

order to olear the Gull Rook and Ledge, which bear S.W. by W., and are distant 280 | order to elear the |
| :--- |
| and 40 'fathoms respectively from Poiut Joneen, on which whe, and are distant 280 | rook just covers at high water, and therefore can always bo'seen; but the ledge has 2 fathoms least water; and therefore is extremely dangerous. On the woet side of this lodge, the west ends of Perroquet and Greenly Islands are in one, and they miay therefore be wröided by the course above mentioned. Proceed on this courne N. $\frac{1}{} \mathrm{E}$., till Jones'a house bears E.N.E. and the northern islet on the east appearing the the north extreme of Ledgee Island; N.E. by N:; then atceer for the latter, lonving the Gull Rock to the east, sind looking out for a small rock lying off an island on the oppösite side, after passing which, the channel is clear, keeping nearer the islets than the main. A run of about 700 fathoms from the houses, will bring yon opposite the entranoe of the harbour, when you mast haul sharp round to the westward, between the islets into the harbour; this entrance is 80 fathoms wide and 8 fathome deep. The harbour is perfeotly land-locked, athd will accompodate but a small number of vessels; the depth is from 4 to 17 fathoms, muddy bottom.

In approaching Bradore Harhour from the weat, beware of the reefis, extonding three-quarters of a milés to the south-wast of Ledges Ialand, which may bo cleared by not bringing Perraquiet Island to bear to the southward of. S. E. by E. uhtil Jones's hoase bears N.E. by E.; then steer for the latter, until the marks cothe on for olearing the Gull Rock, and Ledge, when you must prooeed as before directéd.

1. being the north-west of Bradore Harbour are the Bradore Hills, oonspicuous as boing the highest land on the coast. They consist of three round-becked mountains; the northernmost of which is the highest, being 1264 feet abovel the level of the mea. Bradore Bey, between the harbour and Point Belles Amours, is oonsidered to be dangerous on zccount of the struggling rocks scattered about, and of its exponure to coutherly winds, which send in a hoavy sea. Point Belles Amonrs is a mound of red granite, 60 or 70 feet high and will bo easily recognized.
BELLLES AMOURS HARBOUR.-This harbour lies to the northeast of Point Betles Ampurs, the north-east side of the entranoe being named Stony Polut, from which at 14 miles 8. by E. arp the Flat Rocks. Herbour Point is a bare grantto hill, 160 feet high with, se reral stone beacons upon it, situatgd 1$\}$ miles within Point Belles Amours on the westerniside. To enter the harbour by the eastern passhge, ateer N. by W. $\frac{1}{\text { W }}$ W., so as to leave the Flat Rocks a quarter of a mile to the eastward; proceed on this bearing until you have approoohed the east alde of Harbour Point, as noar as 100 fathoms, taking care, however, not to appronch Stony Point within a eable's length. Then steer N. until you are abreast of the rgol above water off the sandy purt of Harbour Point, whon you must haul a little to the webtward, so âs to bring the enatt side of Harbour Point and Pond Point (nearly opposite to Stony Point) in one. Koep them in one, in order to ronnd the north extreme of the Flat, dindy you will hiave $\leq$ fathoms until, Mark Point (the extreme on the north. side within the harbour) comon on with Peak Point (a remerksble rocky point in Middle Bay), seen over the low land att the head of the harbour, and bearing W. $\frac{1}{2}$ S. As soon as this mark comes on, haul sharp round to the westward, keeping at a less distance than a cable's length from the high nprth-shore until you are well witnin'the gandy epit, whon you may haul to the squitpperd, and, anochor anywhere; in' from 5 , to 7 fathoms, muddy bottom. Noarly miatay between Point Belles Amburs and the Flat Rocks, thero is a.rocky ${ }^{x}$ patoh, withronly 2 fathoms water upon it; and there are other patohes of 81 faihoms -atireen it and the point. To enter the harbour by this weaterly pasango, which is preforablotin ipeaterify winds, take care not to shut in Stony Point behind Point Belles ${ }^{4}$ Amours, for for , of the Middle Ledges, which lie off Middle Point, the outermost A being 600 fathoms off shone. Pas Point Bales Amoure at the distance of 200

## fath

 the $\mathbf{B}$ lanc - A off two in $f$ thed the const of the the eastern side. Islands; the the and very deep Harbour, coming I avoid the reefs does not bear to uarter of a mila f Greenly Ialand aring 8. W., in 1 are disten't 280 rees gtend. The ut the ledge has weet side of this and they may coures N. \&"E. pearing thice the ter, lonving the $a$-island on the the iblots than on opposite" the stwañ, between 8 fathoms deep. mall number of
reefs, extending by oleared by E. uhtil Jonea' me on for cleared. conopiouous as ked mountaing; ivel of the sea. msidered to be its exposure to mound of red

## -enst of Point

 int, from which to hill, 150 feet Belles A mours N. by W. $\frac{1}{8}$ W., id on this beair100 fathoma, length. Thien at of Harbour - enat sido of 3. Keep them iave sfathoms comen on with ow land at the romes on, haul el length from u maj haul to ttom. lere is a.rocky of 81 fathoms age, which is d Point Bellem the outermost tance of:200fathomes, and keep at that distance from the shore till you have passed Pond Point; then bear away to Har' Point, and proceed as before direoted.

Belles Amours Haro y is afine place, where a number of vessele may lie perfectly land-locked; water may $6 \delta$ had, but wood for fuel is scarce.

- At $1 \frac{1}{2}$ miles W. $\frac{1}{\frac{1}{2}} \mathrm{~N}$. from Point Belles Amours is Middle Point, with several racks off it, and it miles farther is Five Leagues Point, the ooast between bending inwards two miles, and forming a fine open bay named Middle Bay, in which you may anohor in from 4 to 13 fathome, sandy bottom, free from all danger. For the firet mile in, the shore should not be approached nearer than 150 fathoms.

Five Leagues Point is the extremity of a low peninsule which is remarkable for an isolated and precipitous hill nearly' 200 feet high, at three-quarters of a mile northeast from the point. Off the point a reef rune a quarter of a mile to the south-west, outside of which, in the same direction, are the two Barrier Reefs which may be cleared by bringing the south extremitiee of Middle and Belles Amours Points in one, bearing E. $\frac{1}{8} \mathrm{~S}$.

To the westward of Five-Leagues Point is the harbour of the same name; Which is quite unfit for any but small vessels. At 3a miles, $^{\text {a }}$, by N. from Five Leaguea Point, is Salmon Islet, which is nearly joined by a spit of sand to Caribou Island, and off which the shoals extend nearly 400 fathoms to the S.F. Between Caribou Island and the main, to the east of it, is the eastern entranoe to Salmon Bay, whioh has but 6 g depth at low water; the othej entrance is from Bonne Eeperance Harbour round to the north of Caribou Island, in which is pleuty of water, and good shelter.

BONNE ESPERANCE HARBOUR, ooncidered to be the best on this part of the ooast, liea to the westward of Cariboni. Islaud, A good mark for the harbour is Whale Island, the south-easternmost of the Esquimaux Islands, which lies N.W. by W. $\frac{1}{2}$ W., 181 miles from Greenly Island, at the entranoe of the Strait of. Belle Iele, and is made oanspiouous by a roundish hil near its öentra, having on its summit a pile of atones, as there is also on almost every one of these islands. Whale Island bears W.S:W. 1. W., $4 \frac{1}{4}$ miles from Salmon Idet. before mentioned. Between them lie the islands forming the harbour, which are very steep, and of bare granite. To the south-west of Caribou Island lies Goddard Island, which is joined to it and another islet by ehoal water; it has a small rock above water off it, 130 fathoms to the south-west, and 300 fathoms to the south of it is Goddard Rock, which dries at low water. On the othet side of the chanmel, oppesite to these rocks, are the Watch, a amgll uncovered rock, and Breaking Ledge, which just covers at $h$ weter. The entrance to the barbour between the various dangers, is 460 fathoms ${ }^{\text {nide }}$ with 17 fathoms water in the centre. Beacon Islet lies Wis, Wi $\frac{1}{2}$ W.a nearly a milé fom Goddard Islẹt; it is rather low, ond has a pile of stones on "it." .Three-quariers" of a milo' west of it is Red $\mathrm{H}_{\mathrm{H}} \mathrm{ad}$, au island bearing E.N.E. 800 fathoms from Whale Island; between them is Fish Islet, To the north-east of Red Head Island is Chain Island, formed of two pênineulas, and beyond it Bonne Esperance Island, three-quarters of a mile long and 150 feet high. Lion Island hies a quarter of a mile east of Bonne Esperance Ioland, and hetween them is a low islet joined to Lion Island by shoal water, but leaving a narrow and difficult channel between it and Bonne Eeperance Ieland. Off the east side of Lion Islind is the Whelp.Rock, always uncovered, at 50 fathoma from the igh. Between this rock on the weet, end Goddard and Caribou Iglands on the east, foy hat may be, termed, the inner entrance from the main channel; it is 400 fathome wide, and has 10 to 13 fathóms water.
To enter Bonne Esperanoe Harbour, from the eastward, with the wind from the east, atand toward Caribou Island, snd whenid the southiside; at half a mile from it, the south sides of Beacon and Red Head Isle., iand thê nörth side of Fish Islet, will be in ohes bearing. W. $\frac{1}{}$ N. Bear up on this mark, or. else :eteer Weat, keeping thio leid going, and a sharp look' out for Goddard Rock. You will have abbyt 9 fathoms at low water, until paist this, when it will deepen suddenly to 15 or 19 fathoms, and then'you will be in the ohannel. Steer immediately N by E., and Whelp Rock will he right abead and appear in one with the weár side of House Ieland, which lies olose under the main laud, about a mile from. Lion Island, and has a house on it. Keep on this bearing till past Bold Row we south-west poift of Goddard Ibland, When you must bear a little eastm, Whar Lion Bank and Whelp at acable's length, aild then run up W.N.W. dy. rong the inner sides of Lion and Bonne Esperance Islands into the harbour,

## $88^{\circ}$

 HA WON YORE POINT TO CAPE WHITTLE.prer a muddy bottom. Tho, whole bay may be oonoid as a hasrbour, and is 80 phood that it will afford acommodation for a fleot; W . W , watof may be prooured from the main land, but not from tho islands.:

In comitig from the waot with a wetterly wind, keep half a mile from the south poiut of Whale Ioland, and stogr E. by N., to avoid two 4-fathom dangers; one thie Whale Patoh, lying half a mile E. by S: from the centre of Whals Island, ind the other twoo thirde of mile soifth of Beacon Island, nemed the Middle Patoh. These may be avoided by not coming within a lese depth than 10 fathoms, or by keeping gouthward of tha track above mentioned. Keep on thistbearing till Whrlp Boolfand House Island are in one, bearing N. by E.;' then haul in úpoñ that bearing, and proceed as before. There are esveral other entrances into Bonne Esperance Harbour, between the eurrouuding islands.

To the north of Bonne Esperanoe Harbour are Esquimaux. Bay and Harbour. Eequimaux Island lies in the middle of the bay, and forms, with the main to the east, a vary narrow channel, which runs if miles E.N.E., and then opens into a wide apace Fith two islets in it. The mouth of the River and the trading post mis be reached by Keeping along the east cosst. The tradiag post is on a sandy point, backed by spruce trees, 2 miles abgve Eequimaux Ibland. The river abounds with salmo'n ; the approach to it from the westward is so intri?ate, from the number of islands, that no directions can be given.

ESQUIMAUX ISLaNDS.-These islands oommence at Caribou Island, end extend for 14 miles to the westwind.' They are generally bare of trees, and arop of all pizes and heights under 200 feet. Thes form an ondless number of ohannels, which It would be impossible to desoribe; and off them are several small rooke and-shoals, eome of which are fully 4 miles froth the main land.

Proceeding westward from Whale Island, outaide the itlandes $4 \frac{7}{4}$ miles W. by N. We come to the outermost of the. Fort Rooks, a olustor of low rocks extending $\mathbf{6 5 0}$ fathor the south west of Old Fort Island, which island is of moderate height, and $1 \frac{1}{4} p^{T}$ iapneter. The only ohannel, through the islands, between Whalp and Old is the 'Whàle Changel ${ }^{\circ}$ between Whale and Tent Islands.
Set, at 14 miles W.N.W. of the auter Fort Rock, is jow, and has a ledge Iseck ourse in through Old. Wort West. Midway between Fort Rocks and Mermot the whic way to Ord Fort 'Bay, which runs' toward the north-east for 4 miles, 'with deep watar to its head.
The Dog, Islands, to the westward of the Fort Rooks, are very numerous, shd sur: rounded with innumerable rocks and shoals. There is apchorage between them and the main, Whioh oan "only be got at easily by runnipg down with'a weaterly. wind from Sheoatios, olose along the main land, and in the channel betweer the latter and the scattered rooks and libdges which lie off it ; Where there is very deep water the whole way, of nearly 60 fathoms ith somb pleoes.

To the north ward of the Mesmot Islands, and eastiyard of the Dog Ielands, is a group of rocky fatete, nsmed the Eiders.

About $8 \frac{z}{z}$ miles, W.N.W W. Wrom the outer Dog Rocks are two ot three black rooks above water, named the Porpoises, lying three-quarters of ' mile. from shore. Farther on, in the same direction; at the distance of $8 \frac{5}{}$ miles, is the Boulet; semall round-baoked islet. green at the top and about 70 feet high, whioh, together with the opening to Irobster Bay, $1 \frac{4}{4}$ miles E.N.E. from it, will serve to indicate to' a vasel its position off the coast. Lobster Bay is complètely exposed to south-westorly winds; it is aboutat miles in depth, by about 200 .fathoms fa width, and 'has 85 fathome' at the entrance, deareasing gradualiy to 14 fathomis half-way up, after whioh there is anohorage quite to the head, with muddy bottom.
At tialf a mile N.W. From the Boulet ie Orab Islet, and 4t miles W. by N. from it are the Four Rgoks, having withiu them the Inner' Islet. These are the only islete between the Boulet and Shecatios; but; there are many rycks and ledges between them, and also off the Boulet, to seaward. Of these the most dangerous is the Peril Rook, whieh is very emall, dries at half-tide, and lies $1 \frac{1}{2}$ miles S.S. W. from the Boulet. It is the outermost and greatest danger off this part of the oosst; the sea, however, almost always breaks over it, and also over the others which lie between at and the Four Rocks. There is no warning by the haud-lead in approwhing any of these rocke, as they are all stoepıto.
sour, and is so ay be prooured?
the south poiut ono thie Whale the "other two These may be keeping sonithnoolind House and proceodi as rbour, betwien
and Harbour. in to the east, co a wide apace be reached by oked by spruce ; the approach t no direstions
sland, and exand aroco of all hannels, which ke and-shoals,
ules W. by N., extonding 650 : te hoight, and Whale and Old od has a ledge $s$ and Mermot ory doep "water 4 miles, 'with.
rous, fad sur. reen them and rly wind from latter ind the ater the whole

## I Ielands, ị a

of three bleck e from shore. oulet; a amall ther with tbe to' a yposel its sterly winds; 35 fathome at hioh there is
by N. from it the only islets dges betweon 18 is the Peril in the Boulet. seat, however; $n$ it and the any of these

Aboit a mile to the eastward of Lobater Bay is Bocky Bay; on the eastern side of whioh, at a mile within the ontrance, there is a small oove frequented by the fishermen, who anohor in 5 fathome, maddy bottom, and well sheltered from all winds; hero there is a house and stage. To the westwand of Lobster Bay, distant of miles, aud very similar to ityis a ciraight and narrow inlot nertil Narpetepee Bay, whioh runs up to the north eastward abo 41 miles, and at shelter, belag open to seimard.

About $9 \frac{1}{3}$ milee W.N. from close to the main, the It, ad of Thich is the bay of the same name; this bay runs inlaí 3 m In the centre, decressing to 17 fis from the head is anchorage on muc)

Opposite the mouth of the bay; of bour, having a depth of fifteen to anohor in lese water (about, 12 fathom the bay and the island, but the ohannel is westward of Mistanoque is Enter Islet, and - Homs wide. Half a mile to the the southorn side a reef, which rume out to the distams farther Diver Islet, having on are low. About 400 fathoms to the N.W. of them is a group of samall islands, forming with the others the weatern channel to the harbour, wlfich is quite clear. There is nothing immediately outside of Sheoation, iMistainoque, Enter; or Diver Iblanda; so that no other instruotione appear to be requisite than to run through the centre of -ither ohannel, as may be preferred.

Nemly $7 \frac{1}{2}$ miles, W. $\frac{1}{1}$., from Mistanoque is Shag Islet, whioh is very remarkable, being amall and high, with a round-peated hill looking green in the middle, and is an excellent guide for making Mistanoque from the westward, as the Boulet is from the oastward. There are many rocks to the 'S.E. by E. of it, the outermost of which, the Shag Rook, is 2 miles distant. When three-quarters of a mile to the southward of the Shag Rook, the south point of Shecatica will bear E.N.E. 8 milea off, and this course will take you a mile to the south of the Three Rocks, lying midwalj betwoen them.

The const hence to the south-wottward is broken into immense bays and inlets forming ialands of moderate height, and partially covered with moss. The outer coast is lined with smull islots and rocks, which are very diffioult to pess through; while within them there is a great depth of vater in the intricatechańnels and bays between the islande and the main.
CUMBERLAND HARBOUR, formed by Cumberland Island on the east, and Duke's Ifland on the west, hies N. by E. $:$ E., about 3 miles, from the outer Shag Fook, and may readily be distinguighed by a remarkable high hill on the main land, appearing like a castie at ite summit, having steop cliffs lookivg like walls; this hill lies northward, nearly Sk, leagues, from 'the entranoe to the harbour. The islands forming the harbouriare moderately hight, the esstorn one makiag in two round hills. The harbour should be approached betiveen the Shag Rook and the Three. Rocks, which bedr from each other E.N.E. and W.S.W.f digtant 21 miles. In sailing into this harbour thore is, no danger but what appears above water, excepting as amall' rock, whioh lies S. by W. rather more than half a mile from the west point of the entrance. The entrance is about 200 fathoms wide. As soon as you arrive pithin. its onter pointe, haul arer to the western side, and run along it to the inner point on that side, bearing N. by.W. $\frac{1}{3}$ W/ about threequarters of a mile from the outer east point of entrance. As soon as/you arrive there, you majy haul to the eastwâd, and anchor where' you please, in from 7 to 20 -fathoms water, over good ground. This is an' excellent 'harbour, the best and easiest of scoses on this coast; and good water oan be had in plenty on the east side of the harbour; but for wood you must go up to Shecation Bay.

Sheeatice Bay lies 8 or 4 miles to the north-eastward, of Cumberland Harbour, and rons inland to the northwaind many miles. It has many islands, branches, and narroiv crooked passagee, too intricate for any one to attgrapt who is not perfectly acquainted with tho navigetion of the const.
SANDY. HARBOUR.-This harbour lies N.N.W. $\frac{1}{}$ W. $2 \frac{2}{4}$ miles from Shag Islet, Knd is situated on the eouth side of Sarry' Islend. To sail in, pass to the eastward of the Egg Mockg, which bear N.W. by W. $1 \frac{1}{5}$ miles from Shag Islet, and keep the starboard point of the bsy (which is the west extreme of Duke's Island, bearing Nf: more



# IMAGE EVALUATION TEST TARGET (MT-3) 


than balf a mile from the Egg Rooks,) on board in going in. You will then see a small rook above wator, to the northward, lying over towarde the east side off the entranoe of the harbour, and which you may peis on either aide, and then itceer in N.N.E. If. for the harbour; there boing nothing in the way but what appoars. Aftor you have paseed the entrinioe, whioh is about two oables wide, you must heul to the N.W. into the harbour, ead choose your berth in $b$ or 6 fathoms. Thic is a very safo harbour, with good ground Here, as in Cumberland Harbour, is no wood to be had; but
is plenty of wator. In making for this harbour, care should be taken to aroid a ledge

$$
\mathrm{ab}
$$ undor water, west of the Shag Rook, and about a mile south of Shag Island; and alco another nearly a mile 8. : E. from the Egg Rocks, and W. by N. from the top of Shag Island. There is a small: reef with shoal water extending 1 of a mile from Shag Island töwards this ledga, leaving o deep channol between, more than $\frac{4}{4}$ of a mile wide.

$$
T
$$

Port'Augustine is a very small harbour, with a very narrow and intrioate qutrance,

$$
\begin{aligned}
& \mathbf{Y O} \\
& \mathbf{H}
\end{aligned}
$$ and is fit for amall oraft only. The approech to it is to the westward of Augustine

$$
{ }_{\mathrm{bj}}^{\mathrm{h}}
$$ Chain, a chain of small islets, the outermost of whish is a round smooth rock, with a high black rook half i mile to the westward of it Between theme last-named rocks

$$
\mathrm{OD}
$$ there is a ledge, which shows at one-third ebb. The passage is on either tide of this

$$
\mathbf{w}
$$ ledge, and then north ward along the west side of Augustine Ghain.

in

The south extremity of Augustine Ohain bears W. $\frac{1}{1}$ S. about 7 imiles from 8 hag

$$
80
$$ Islet. Botweou thom lies Square Ohannel, the largest in betheen the iolande, ta ards

to the main land. It is too intricate for description; at 14 or ib miles ûp it, in a IN:W.
ial 1 N. direotion, is the entrange of the Ritbr Aurgustine with $A$ sand bar across it, dry

$$
\infty
$$ at low wator. There is plonty of wood at this river.

EagleHarbour, on Long Iatand, is unfit for anything but emall veseeis; the entrancee

$$
\begin{aligned}
& \mathbf{N} \\
& \mathbf{l o} \\
& 80
\end{aligned}
$$ being nairrow and intricate. This part of the oomet is very dangerous on eccount of the numerons islets and rocks off it.

$$
\mathbf{~} \mathbf{M}
$$

Off the entrance of Fish Harbonr, N. W. $4 \frac{1}{3}$ miles from the Bottle on the aorth of Great Mecattina lslend, is. Wood Island, so called from its being coverbd with wood.

$$
\frac{\mathbf{M}}{\mathbf{T}}
$$

$$
\mathrm{I}_{0}
$$ The entrances to Fish Harboar ere on either side of Wood Island, the northern being the beet ; there is a ledge to the couth of the isiand, which always shows, and a

$$
\mathbf{v}
$$ rook with only 2 .foet weter upon it, one-third of a mile 8.8.E.' I E. from the east point of the island. Wood and water may be obtained, and there is a trading establiabment here.

HA-HA BAY.-This bsy lies in the main, to the westward of Long Ieland, and has eoveral imall islends at its ontranoe, forming separato entranoes. The best of these is, that which lide between Soal Point and Round Island, and leares all the islands on thie starbourd side; this boing a wido and safo paseage, having no danger but what is visible. He-Ha Bay runs in to the N.E. by N. 8 milea, and has a dopth, in one part, exceeding 60 fathoms; in it there are many iolands at its howd, on the -atarboard side. Within thepe islends, to the eastivard, are numerous eseherafes, with from 9 to 20 fathoms water. Vessele may oconsionally anohor moywhere toiog the eantern side of the bay, in 18 and 14 fathoms, muddy bottom; but on the western side the water is too deep. N.N.E., about 2 milee from the entrance on the west side, is a high biuff head. Round this head, N.W. by W. helf a milo, is a amall but eafo harbour for amall veseele, in which you will have 12 fathome, good ground. This harbour is formed by an illand, on either side of whioh there is a narrow bat safo. pacsage.

GREAT MRCATTINA IBLAND, to the southwand of Ha-Ha Bey, is is miles 8.E. from Red Polat the nearat part of the maln. It is 81 millee long, north and couth, 8 milee wille, and ibout 600 foot high in the centri. It is composed of granalte, and the ponition of tie fisland, with roletion to the high land inside of Oapo Mocattina, 4 or 5 milos W.N.W., distinguishes fit from any other ioland in the Gulf.

Nearly joined to ith north point is the Bottlo, a high round lislet, with. swall. rook oloee off it, to cho N. W:. by, N.; and half a milo in tho enans direotion, is wrooky shoal of \& futhome Bluff Haed is the high N.E. point of the inland; and betweoh it and the Bottle is a cove, one mile deop, named Ioland Harbout; wheltered from the eaer by
 ohorage is near the head of the cove, in from 10 to 80 fathoma, good, ground; hore both rood and water may bo obtainced. If you enter by the couth peticie, keap Blufir Hand op board; and if hywr inorth, pane botwan the oluator juet maptioned
th




ren aee a small the entravioe ser in N.N.E. rs. Aftior you ul to the N.W. seafo harbour, o bo had, but avoid a ledge and; and aloo om the top. of of a mile from re than $\frac{1}{4}$ of a Iof Anguatine th rook, with e t-named rockg er side of this lande, tay ards it, in a \%.W. e acrose it, dry
the entrancoes on account of
n the north of dd with wood. iorthern being shows, and a from the enst to a trading
$g$ Illand, and The best of leavee all the ng no denger d haw a dopth, -head, on the chorapes, with ces Mong the in the wostern the weet nide, amall but teff ground. This urow but safo?

## 05, in : 2 miles

 ng, north and ned of granite, pe Moenttina, ha emall rook arrooky thool onmeon it and nom the onet by Tom The anground ; hare patuge, hap put moptionedand a small isolated rook about a $t$ of a mile N.W. of it, and a oable'r lóngth from, the shore of Great Mecattine.

Treble Hill Island lies E. by S. about 8 milee from the centre of the island of Great Mecattina, Flat Island; B.B.E. E. 8 miles from its south point, and the Murr IElets 8. W. about 4 mileg from the same point. To the N:E. by E. from she easternmoót of the Murr Islands thero Freledge, on whioh the sea generally breake. All these ialands ere quite bold-to, and swarm with sei-fowl. The Murr Islete are of considerable height, and flat at top; abont $\frac{1}{} \mathrm{a}$ mile to the 8.E. of the southernmost of them are two small and low rocks above water.
MEQATTINA HARBOUR, behind Mecattina Inlend in the tain, is aafe but small, yet will idmit vessels of burthen; there being not lese than 8 fathomas at low water in either passage to it; but they must mome head and atern, there being nó room to incor otherwise. This harbour lies $8_{1}$ miles N.W. by Wi 1 W. from Round Head, a high peninsula on the west side of Great Mecattina Island, and $6 t$ miles N . by W. . $\frac{1}{2}$ W. from the Murr Islets. It is only 28 fathoma wide in the western entranos, and 60 or 70 fathome wide within. It may be safely taken by omall veasels in fine weather, hut not in atormy weather, the antrance being so narrow; the least negleet in steering might place the veisel on shore. To sail in through the western pasaago there is no danger, but to sail in through the eastern channol you mugt observe the following directione:-F'rom the eastorn point of Mocattina Island eteer N. by W.. towarde the main land, keep that olowe on board, until you got the N.W. point of the. island at the weefern entrance on with the south point of Dead Ooves this is a small cove on the main, whioh liee open to the eastwand; the land whioh forms it isvery low, with eome brushwood upon it. Sail on, in that direction, until you get above a stony point, which in the north side of the said cove; or until you bring the north point of Gull Valand, which in a amall island lying E. by N., dintant a mile from Meoattine Island, on with the E.N.E. point of Mecatina Irland, you will then be within a spit of rocks which stretohes of the island, and muat haul over for Mecattina. Ieland, in order to avoid a ledge running off from the south point of Dead Cove; and when you open the western' pessage, you may anohor in 6 or 7 fathome wator.
Veesels coming from the enstward, and bound for the harbour of Mocattina, in, passing botween Guil Island apd the maln, should be oareful eithier to keop Gull, feland or the mainland olose on boata, in order to avold a sunken rook that lies nearly half-way between them, on one part of whioh there are not above 8 feet water. Tho highest part of the land between Grand Point and Ha-Ha Bay is direotly over the harbour of Meonttina.
OAPE MEOATTINA, or GRAND POINT, is the extremity of a promontorys running out from the main land; it is low at the point, but risee, inland, gradually, until it beiomen of oonóiderable height; it miay eacily be reopgnized by the adjecomt: islande and rooks, the nearest of whioh is a amall low rook not far from the point Two of these islande are muoh larger, and rise much highor than the others, named the Dyke Islands; the outormost are small; low, rooky ijlands, lying a hiloe off the point; they all lie in a 8.8.E. $\frac{1}{1}$ E. direction from the point. Feneda bound to Mecattina Harbour from the weatward aither pass throngh the clear and deop; channel between the Northern Murr Islet and the Outer/Rocke, or betroon the islandt, for there is a safo passage on oither side of Entranco/Island, the second from tho point; the beat ohannel however among thobe inlands, it botwicen Entrance and Dyke Folands. The cape is situated in lat. $60^{\circ} 10^{\prime \prime}$ N. And long: $60^{\circ} 9^{\prime \prime} 80^{\prime \prime}$, W.
Portage Bay, to the weatward of Meoattina Harbour, in 2 miles N. by E. from the south point of Oape Mecattina. It runs in about 1 miloe to the, northward, and afforde tome sheltor. A othall islot liem in the moyth of the bay; towards the cest nide, whioh forms a emell harbour, the weetorn outrance to which is the beet. In the approweh to thin harbour there are tro. 15 -foet ledgge to be ivoided, one 400 fethome 8. W. Wrom the weat end of Matton Island, and the other half a mile N.E. by E. from the eouthern Goal Rook, which is threo-quartoris of a mill N.E. by N. Arom the eouth point of Oape Mecattina.
The Groat Ieland of Yectutina being the most remarkable land about, thie part. Teatels frequently make it their point of doparture, and shape thoir courses from in to other plecee. When vithout the Murr Rooke a W. by Sic cource, $B 5$ miles, vill take you without the rooke to of Oape. Whittle ; though by this course you will pay very near to BL. Mary'o Renfic. Fromethe Murr.Iflande to Wood Ieland, pear Grand

Point, at the entranoe of the Strait of Belle Isle, the course is E. $\ddagger$ N., 76 miles ; continuing on the east course 60 miles fartherpbrings you to the eastern entranoe of LITTLE MECATTINA ISLAND is $7 \frac{1}{2}$ miles long, in a N.N.E. direction, and 3 miles wide. It lies W.S.W. $\frac{1}{8}$ W., 15 miles, from Cape Mecattina ; between them is a large bay, studded with numerous islands and rocks, which should bave a good two. The nothern partaberry Bay, on the west side of this island, outs it nearly in very narrow isthmus; while the siouthern low land, joined to the southern part by a 680 feet above the level of the sea, Little Meas high, the highest point being about over granite, tit short distance within the entrance, and enver is large and falls 30 feet the north end of the island. ${ }^{\circ}{ }^{\circ}$ within the entrance, and about $2 \pm$ miles N.N.W. from
Little Mecattine Island. and scarcely even for boats a of a large bay. The promontory water, may be considered as forming the west side as already mentioned, is filled with islands and rose the east side of this bay, whioh, vessel could find her way, and where it is posibie to lose operamong which no a boat.
Hare Harbour, on the east side of Littler Mecattina Island, has depth and room enough for the largest ships, but has several rocks and ledges in it, which render it difficult to strangers. As it opens to the southward, the prevailing westerly or eastetly winds are favourable for sailing in, and are generally accompanied with a smooth beea in the entrance. It is only when the wind is well to the southward that there is any swell, and even then it never rolls into the harbour so as to affect a

In order to enter this harbour with an easterly wind, you ought to pass to the Thouthard of the Fin, Scale, and Single Rocks, at the distance of about half ámile: The Single Rock is just awash, and has three sunken rocks riear it, and should not be approached nearer than a quarter of a mile, as the sunken rocks are 150 fathoms to the Eden Islands, ledges. When abreast of the sine Cat Rocks, above water, and Staff Islet and its degrees, and when you are half a mile Rock, haul round to the north-westward by the harbour will bear N.N.W., with nothing in your ward of the rock, the entranoe of for it.

In coming with a.westerly wind, steer N.N.E. $\frac{1}{3}$ E., passing Point $A$, the eastern point of Litile Mecatting Island, at the distance of one-third of, , continue on N.N.E. 古 P:, leaving the Cat Rocks and Staff Islet and Ledgep on ybur port hand, coming no nearer the lattor than a quarter of a mile ; and, when abeam, you will see the entrance of the harbour bearing N. $\frac{1}{4}$ W., distant a mile. You cannot mistake it, because there is no other ohannel through which you can see olear into the harbour from that position. The ontrance, 170 fathoms wide and 20 fathoms deep, is'between Daly and Price Islands ; or, from the former position abrelity of Staff Islet, continue on N.N.E. $\frac{1}{2}$ E., 300 fathoms farther, till the entranoe begre N.N.W.; then haul giving the S.W , orsing Eden Islands and Prioe Island on your right hand, and Island on your left, or to the wentward, is quite bold. lese than 30 fathoms. Daly

About 170 fathoms within the ward, is quite bold. $s o e$ the small Wateh Rook shore entrance on the east, or Prioe Island side, you will Islet, which lies about ono-third of a mind farther in a very small islet, named Bold from the inner end of Priee Island, and is quthe entrance and 80 fathoms W.N.W. N. $\frac{7 \text { W. }}{200}$ fathoms from the east extrome of Daly Island On the west side, bearing and above water, and is quite safe on its east side; and. nearly mid-way between sef Rook and Bold Islet lies Rag Ledge, which just dries at low water. This is the prinoipal danger in the way, but it oan almost always be seen from aloft, and there is inclear channel on either side of it, a long cable wide, with a depth of from 12 to 15 fathoms. The western obannel, however, is the better; and the oourse from the centre of the entranoe to it, so as to pasi within half a cable of the Safe Rook, is N. $\frac{1}{2}$ W., one-third of a mile. Whon within these dangers, you must choose your anohorage by the lead, for there are se eral patches of rook with from 4 to 6 fathoms, althou ${ }_{h}^{\circ}$ the bottom is in general of mond, with from 9 to 14 fathoms water. In doing thit,
. 1.1 N., 76 miles; tern entrance of direation, and 3 between them ia ld bave a good outs it nearly in thern part by a oint being sbout and falls 30 foet 3 N.N.W. from
rain for vessele, ag the west side this bay, whioh, mong whioh no for a time in
lepth and room which render it og westerly or ompanied with the southward o as to affect a
to pass to the int half á mile. 1 should not be re 160 fsthoms n Single Rock Islet and its h-westward by be entrance of steer directly f ; conon gur port Hoam, you will not miatake it, 0 the harbour 9 , is 'between slet, continue 7., then haul iht hand, and thoms. Daly
side, you will , named Bold oms W.N.W. side, bearing k, very amall between Safe $B$ is the prinnd there is 'a om 12 to 15 m the oentre is N. $\frac{1}{8}$ W., ir anehorage ne, althou ${ }^{\mathbf{h}}$ doing this,
howeyer, there is one more danger to be avoided, namely, the Foul Rock, a 2 -fathom patch bearing exactly north $\mathbf{6 0 0}$ fathoms from the S.W. point of Price Island. Until within this rock, therefore, you should keep more than half-way over from the islenda forming the east side of the harbour, towarda its western shore. You may, if you ohoose, run'ln nearly half a mile farther than this patch, and anchor to the eastward of Cluster Point, which consists of somelow small iglets and rocke extending off the Little Mecattins shore; this position is considered the safest in the barbour.

The south shore of LLittle Mecattina Island, as far as Cepe Mackinnon, ia high and bold, with remarkable beaches of white boulder stones occasionally. About 14 miles W.N.W. $\frac{3}{2}$. from the cape ia a dangerous reef, awash at low wator, named the Spray Heef, which is bold-to all round, and should always be passed to the westward when entering Aylmer Sound.

Aylmer Sound, to the westward of Little Mecsttina Island, affords no anchorage until beyond the Doyle Islands at ite hesd, behind which is Lou Road and Louise Harbour ; in the latter vessels can ride in 4 fathoms, in the "southern part of the harbour, but will be exposed to the W.S.W., although protected in a great measure by the Doylo Islands. To mail into thia harbour pri into Lou Road, keep the eastern side of the Doyle Islands abosrd, by which you will olear some ledges lying in the entrance of Salaberry Bey to the N.E.
The western side of Aylmer Sound is formed by a cluster of high islands named the Herrington Islands, the extremity of the outermost of which is uamed Cape Airy. There is no passage between these islands on account of the multitude of rocks Off Cape Airy at the distance of 2 miles, 8. by W. $\frac{1}{8}$ W., is the Black Reef, composed of low black rocks above water, and W. by N. $1 \frac{1}{3}$ miles from the cape is Major Reef, awash at low water, and 8 milea farther are the Netagamu Islands, within which and the Harrington Islands, the maiuland bends inwards and forms a bay, having a quantity of rocky islets st the entrance. On the largest of the Netagamu lslanda is a remarkable mound. -

About is miles Nfby W., from the Netagamu Islands is the river of the samename, which may be knồwn by a sandy beach, backed with a thick growth of fir trees, on either eide of the entranoe, whioh entrance, though narrasw, bas deep water cloes up to the falla, a distance of $1 \frac{1}{2}$ miles; these falls are 50 feet high. A bar of sand, -with 3 feet over it, extends a mile from the entrance, and ia extremely dangerous to boats becauee of the heavy surf. The current of the river is rapid.

Ten miles, W.S.W., from Cape Airy are the St. Mary 1slanda, eatimated to be 200 feet high; they are composed of bareateep granite, and bold all round. To the weatward of them are the clusters of the Cliff and Boat Ielands, separated by a channel half a mile wide, with 17 to $\mathbf{3 0}$ fathoms in it.

To the northward of these clusters of islands is Watagheistic Island, 3 miles long and sbove $1 \frac{1}{\frac{1}{2}}$ milea broad, lying at the entrance of a large bey, within whioh is a large sound containing several good anchoring places, but unapproschable without passing through 7 miles of dangerous navigation. To the north of the St . Mary Islands are several islets, rocks, and reefs, the largest of which ialets ia Cove. Island, bearing 4 miles N.N.W. from the north point; there are thickly soattered rocks both above and below water, between it and the Netagamu Islands. The eastern entrance, between Watagheistic Island and the main, is narrow snd intricate, but the western ontrance is half a mile wide; and though there are several rocks and ledgea in it, yet it oan-be safely asiled through with proper care ; but there is no good anohorage on the route to, or outeide either entrance to Watagheiatic.

St. Mary Reefis are four very dangeroun ledgea, just under water, oxtending a mile N. and Srf; the southernmost bearing S.W. IS., $3 \frac{1}{2}$ miles, from the S.W. extreme of the Boat Jelands; W.S.W. $\frac{1}{2}$ W., 6 miles, from the S.W. extreme of the St. Mary Falands, and B.E. प. 8., $8 \frac{1}{2}$ miles, from the westernmost of Southwest Islands. The fonder Rook, small and awash, lies N. by W. $\frac{1}{2}$ W. a mile from the northernmost 8 st . Mary Rock, and 2 miles $\mathbf{S}$. $\frac{1}{W}$. from the wenternmost of the Middle Islande, which lie within the Boat Islands, between them and Watagheistic.

Between the Middle Islande and Wapitagun, the coast is broken into coves, and lined with innumerabld jelets and rocks, among which bothing hut a very small vessel. perfectiy acquinted with the cosst, could find her way. There is nothing worth notijg except the Etamemu River, which enters the see at 4 milies N.E. from Wephagun : it is rapid, and there is a trading and salmon-fishing post at jis moulh.

## 88 ${ }^{2}$ FIOM YORK POTNT TO CAPE WHITTLE.

Mistassini Stone, situated upon the S.E. extreme of the outer Wapitagun Tslands, is a remarkable block of granite resembling a mortar, and hence sometimes named the Gun by the fishers. ${ }^{\text {a }}$ It is an excellent guide to the eastern entrance to Wapitagun, from which it is distant three-quarters of a mile to the westward.

Southmakers Ledge lies $S$. $\frac{1}{4}$ W. $3 \frac{1}{8}$ miles from the Mistassini Rock; West 9 miles from St. Mary Rocks; and 6 $\frac{1}{s}$ miles S E. $\frac{1}{4}$ E. from Cape Whittle. The oourse from this dangerous reef to Greenly Island, near the entrance of the Strait of Belle Islo, is E. $\frac{1}{3}$ N., distance 128 miles. It is a small rock, which is never entifely covered in moderate weather; the extent of the reef around it is 130 fathoms $E$. and $W$. and irrefthoms $N$. snd S., and there is no danger near it. The soundings are very irregular round it.

WAPITAGUN HARBOUR is a long narrow channel between the outerislands of Wapitagun, which ure of bare granite, and appear as bint one isiand, and Wapitagun Islaud to the northward of them, and is completely sheltered; the western entranee to the harhour is sharp round the western extremity of the outer Wapitagun Islands, which lies E. 4 S. from Cormorant Point, 600 fathoms off. This entrance is about 80 or 200 tons.

To enter
which her from the sonthward with an easterly wind, steer for the eastern entrance, side of the entrance there is a rock and meet with nothing in the way. On the west keep on the east eide, steering $N$.W. by $N$. there are three small islets, and to the ; one-third of a mile within the entrance running in to the westward, round a steep rocky point, which, in Wapitagun Island, off it to the S.E. Leave all three islets to the left, passing close to them, and bear up to the westward between them and the steep rooky point; this is the safest passage, but a, good look-out ought to be hept.

To enter the harbour with a westerly wind, run down between the Southmakers Ledge and the Cormorant Rocks, which lie to the sonth of Lake Island, bearing to the north to pass the S.E. Cormorant Rock, at the distance of half a mile. This rock will be readily known from the Nest Rock, covered with birds and whitened by them, a two-fathom ledge which of it; 400 fathoms to the N.E. of the S.E. Cormorent, is so as to leave the Slime Rock or N.F Cormorant, not less haul to westward a little, left, to avoid another two-fathom ledge, bearing N, not less than 800 fathoms on your that rock. Passing close to the east of this, steer for the islet iu the channel, which yourvill see between the west extreme of the outer Wapitagun Islands and Cormorant Point; but to pass, to the eastward of Long Ledge, lying midway between Slime Rock and Cormorant Point, the course-must not be ahove N.N.W. $\frac{1}{3}$ W., or the west end of Island, lying intioned islet, on with thigh point, which is the east end of Lake harbour will begin to of the islet. When within 2 cables' length of the islet, the leaving the islet to the north the eastward, when you must bear up quickly for it, Wapitaguns, to clear a ledge lying keeping 200 fathoms off, the west point of the outer proceed into the harbour and anchor wh, and when it bears to the eastward of north, bay on the soutlf side of the harbour, 600 fathoms within the best berth is in a small fathoms.

CAPE WHITTTLE, the south-west point of Lake Island, hss many dangers off it to the southward and westward, the two outermost of which, named the Whittle Rocks, set half-tide rocks. All these rocks are steep, with from 20 to 40 fathoms water Wetween and from it the coast is considered to be in lat. $64^{\circ} 10^{\prime} 44^{\prime \prime}$ N., and long. $60^{\circ} 9^{\prime} 46^{\prime \prime}$. had hitherto maintained, to west. Wood can be obtained on Lades Island, whichsit* water it is necessary to visit the main-land.

The flood from the eastward and ehb from entrance of Wapitagun, at a rate varying from the westward usually run past the much influenced by the winds.
,
THE GULF OF ST. LAWRENCE.

## PART III.

## THE GULF OF ST. LAWRENCE.

## GENERAL REMARKS.

EIT has always been supposed that the navigation of the Gulf and River St. Lawrence If attended wilh considerable diffioulty, and the numerous accidents constantly oocurring to vessels would seem to show that the opinion is well founded.

Captain Bayfield, R.N., has remarked that, "Among the diffioulties of the navi-" gation, may be mentioned the íce. In spriug the entranoe aind the eastern parts of the gulf are frequently coverod with it, and, vessels are sometimes beset for many daye. Being upifted for contending with thb danger, they often suffer from it, and are occasionally lost; but serious accidents from this cause do.not frequentity occur, because the ice is generally in a melting state from the powerful effect of the sun in opring. In the fall of the year accidente from ioe seldom occur; except when the winter commences suddenly ; or then vessels linger imprudently late from the temptation of oltalning high freights.

But all danger from ice is far less than that which arises from the prevalent foga: théy may oocur at any time during the open or navigable season, but are most frequent in the early part of summor; they are rare, and never of long continuanoe during westerly winds, but seldom fril to accompany an easterly wind of any strength or duration. The above general observation is subject, hówever, to restriction, according to locality, or segsen. Thus winds between the south and weat, which are usually clear weather winds abpve Anticosti, are frequently accompanied with fog in the eastern parts of the gulf. Winds between the south and east are almost alwaye accompanied with rain and fog in every part.-. E.N.E. \%inds above Point de Monts, are often E.S.E. or S.E. winde in the gulf, changed in direction by the high lande, of the south coast, and have therefors in general the same foggy character. I speak of winds of considerable strength and duration, and which probably extend over great distances. Moderate and partial fine weather winds may occur without fog at any geason, and in any locality. In the early part of the navigable season, especially in the months of April and May, clear weather N.E. winds are of frequent ocourrence, and they also sometimes occir at other seasons, in every part of the Gulf and River St. Lawrence.

The fogs sometimes last several days in euccession, and to a vessel either running up or beating down, during their continuance, there is no safe guide but the constant use of the deep-sea lead, with a chart containing correct soundings.
The fogs, which accompany easterly gales', extend higher up into the atmosphere, and cannot be looked over from any part of the rigging of a ship. They, however, are not so. thiok as those which oocur in oalms after a strong wind, and which are frequently so dense as to ooaceal a vessel within hail; whilst the former often, but not always, admit the land, or other objects, to be distinguished at the distance of half a mile, or more, in the daytime.
The dense fogs, which occur in calms, or even in very light winds, often oxtend only to small elevations above the sea; so that it sometimes bappeus, that when objects are bidden at the distance of fifty yards from the deck, they can be plainly scen by a person fifty or sixty feet up the rigging. In the months of Ootober and November the fogs and rain, that acoompany casterly gales, are repleced by thiok snow, which causes equal embarrassment to the navigator.
The prevailing winds, during the navigable season, are either direotly up or directly down the estuary, following the oourse of the ohains of high lands on either side of the great valley of the St. Lawrence. Thus a S.E. wind in the gulf become E.S.E. between Anticosti and the south coast, E.N.E. above Point de Monts, and N.E. above Green Isjand. The westerly wiuds do not appenir to bevgo matgh guided in direction by the high lends, excepting along the south ooast; where we have observed a W.S.W. wind at the island of Bic becoming west, W.N.W., and N. Th, as we ran down along the high and ourved coast, until it became a N.N.W. wind at Cape

Gaspe. These winds frequently blow strong for three or four daye in sudeession; the westerly winds being almost always accompanied with fne, dry, olear, and sunny weather; the essterly winds as frequently the contrary, cold, wet, and foggy. In the spring, the easterly winde most prevail, frequently blowing for several weeks in succession. As the eummer advances, the weeterly winds become more frequent, and \%. the S.W. Wind may be said to be the prevailing wind in summer in all parts of the river and gulf. Light south winds take place occasionally; but north winds are not common in summer, although they sometimes occur. Steady N.W. winds do not blow frequently before September, excepting for a few hours at a time, when they generally succeed easterly winde which have died sway to a calm, forming the commencement of atrong winds, and usually veering to the S.W. The N.W. wind is dry, with bright clear sky, flying clouds, and showers. After the autumnsl equinox, winds to the northward of west become more common, and are then often strong ateady winds of considerable duration. In the months of Ootober and November the N.W. wind frequently blowa with grest violence in heavy squalls, with passing showers of hail and enow, and-attended with sharp frost.

Thunder atorms are not uncommon in July and August; they seldom last above an hour or two; but the wind proceeding from them is in general violent and sudden, particularly when near the mountainous part of the coset; sail should, therefore, be fully and quickly reduced on their approach.
Strong wiuds seldom veer quickly from one quarter of the compase to another directly or nearly contrary : in general they die away by degrees to a calm, and are succeeded by a wind in the opposite direction. I do not mean, however, by this observation, that they may not veer to the' amount of several points. NiW. winda seldom or never veer round by north and N.E. to east and S.E.; but they do frequently, by degrees, to the S. W., after becoming moderate. S.W. winds seldom veer by the N.W. and north to the eastward, but sometimes by the S. to S.E. and E. Easterly winde generally decrease to a calm, and are succeeded by wind from the opposite direction.

In the tine weather westerly winds of summer, a fresh topgallant breeze will often decreage to a light breeze or calm at night, and epring up again from the same quarter on the following morning : nnder these circumstances ofly, may a land breeze off the north coast be looked for. 1 haje ohserved the same'off the south coast also, but not so decidedly dr extending so far off shore. I have occasionally carried the north land wind nearly over to the south eoast just before daylight, but have never observed the south land wind extend more than five or six milea off, and that very rarely. Under the same circumatencee; that is, with a fine weather westerly wiad going down with the sun, a S.W. land breeze will frequently be found blowing off the north coast of Anticosti at night and during the eat'ly part of the morning. ever, the weather be not settled fair, and the wind doees pot falf with the suh, it will usually prove worse than useless to rin a tessel close in share at night in the hope of a breeze off the land. Such is the usual course of the winds in common seasons, in which a very heavy gale of wind will probably not be experienced from May to October, although olose-reefed topsail breezes are ususlly common enough. Occasionally, however, there are years, the character of which is decidedly atormy. Gales" of winds, of considerable stirength, then follow/each other in quick succession and from opposite quarters.
The marine barometer, which is at all times of great use to the navigatior, becomea particularly so in such seasons; and the following remarks upon ite general indicar tione, when taken in connexion with the usual course of the winds and weather in the St. Lawrence, may therefore be useful. The barometer has a range from 29 to 80.5 inches in the Guif and River St. Lawrenee during the navigable season, and ite changes accompany those of the winda and weather with a dapeiderable degree of constancy. The fluctuations of the barometric oolumn are mich greater and moreafrequent there than in lower latitudes; and zudden alterations, which in other olimates would be alarming, may occur there without being followed by any corresponding change either in the wind or thejweather. But the navigator should not be inattentive to those minor changes, as a constant attention to the instrument can alorie enablo bim to appreciate those deoisive indications of the mercury which seldom or nevef prove deceptive. The following remarke will apply'to thbese well-marked changee which usually indicate the appromoh of a gale of considerable strength, or of a sifift

## THE GULF OF S'T. LAWRENCE.

re in sucteession; olear, and sunny and foggy. In several weeks in ore frequent, and 1 all parts of the th winds are not W. winds do not time, when they orming the comI.W. wind is dry, lequinox, winds en atrong atesdy ember the N.W. sing ahowers of ldom last above violent and sadil should, thero-

Is to another dicalm, and are ever, by this obNiW. winda selbut they do froide seldom veer to 8.E. and E. $y$ wind from the
reeze will often from the same ay a land breeze outh const aleo, 1ally carried the but have never and that very $r$ westerly wiad blowing off the ning. . howthe suh, it will ght in the hope mmon seasons, ed from May to enough. Oecaatormy. Gales" succession and general indicaand weather in nge from 29 to season, and its degree of oonand moreafreother olimates corresponding ; bo inattentive a alorie enable oldom or never arked changes $b$, or of $a$ sbift
of wind and weather ; the dorreot anticipation of which is often of the ntmost importance to the safety of a vessel, as well ae to the length of her voyage. When after a oontinuanoe of westerly winds and fine preather, the barometer has risen nearly to ite greatest height, eay some tonths about thirty inches, or begins to fall a little, an essterly wind may be sqon expected. If to this notioe given hy the barometor be added a warm hazy atmosphere during the day, and a heavy precipitation of dew at night, with very bright/twinkling itafe, or a coloured aurora borealis, the approsoh of an east wind is almost certain. If land be in sight at such a time, and appears much distorted by tegrestrial refraction, or if veesels in sight have the relative proportions of their hulls and sails changed by the mirage, or present double or treble images, such appearances will render the more probable indications of the barometer certain. At the eqmmencement the easterly wind will probably be light with fine clear weather, but this will not last above a few hours if the barometwr pontinues to fall ; on the oontrerry, the wihd will gradually increase, and as it does so the aky will be overcast by degrees until it is completely clouded. Both rain and fog will follow, and continue dufing the continuance of the easterly wind, with littlo intermission, until they are dissipated by a fresh breeze from the contrary quarter. it
If the fall of/the barometer, during the continuance of the easterly wipd, be very slow, the gale fill probebly.continue, and not be very violent: if rapid, it fill probsbly be of short duration, and of greater strength: at any rate, when the morcury falls towards 29 inches, a change is osrtainly at hand, and the gale will in genpral oome from the N.W. The strength of this succeeding gale will be in proportion to the fall of the baronfeter, and to the strength of the easterly gale which preceded it. In suich a case, therp is seldom many hours' interval between the one gale and the other. The east wind generally diee away to a calm, and in a very few honrs, or sometimes in much less time, the N.W. gale springs up. A heary cross sea remains for some time from the previous gale. .The barometer sometimes begine to riee in the interval of calm which precedes the N.W. gsle, at othere at its commencgenent: the fog and rain ötase, and the weather becomes quite clear, generally in a fot hours, and sometimes aimoot immediately. The strength of the westerly gale ie usually greatent soon after its commencement, and diminishes as the barometer rises, veering gradnally to the weet and S . $\mathrm{W}:$ : It is worthy of remark, that the circumetances just mentioned are, ex actly the roverse of those attending the easterly gale. The gale usually oompmences with clear weather and a high barometar, light at first from the sonth or S.E. and gradually increasing as it veers to the eastward, with a falling barometer. To ruturn to the westerly gale. If, after it has veered to S.W. and beoome moderate, the parometer remains steady at a moderate height, fine weather may be oxpected. remains at a considerable height, but still fluctuating and unsteady, within cer 4 limite, variable but not heavy winds, and variable weather, may be expected. If oif hot be improbable. We have experienced seasone in which the barometer may be said to have been no sooner blown up by one wind, than it has been blown down by another, and this otormy alternation to have continued for several months, whilst in others we have soarcely bad/a double-reefed topsail breeze during the whale summer.

There is in fact so great a diffirerfe in the phenomena of the weather in diforent seasons, that it becomes very difficalt to write anything respecting it that bhall not bp liable to many excoptions. There are, however, some strongly marked oases of con nexion between the indications of the barometer and changes of the winde and weather, whioh, within our own experience of eight or nipe years, have been subject to fow, I might almost say no exoeptions. The first of these cases is that most common one, which I have endeavoured to desoribe, of an eastorly gale, with a falling barometer, being always wet and foggy, and sncceeded by a strong wind from the opposite quarter with a rising barometer. A-second case, not of eo frequent oceurrence in common sensons, excepting in spring or early in summer, is the onsterly wind with a rising barometer; which, although it mar not be at firtt for a fow hours, will almost always become fine and olear, and end in fine weather. 1 third case may be considered certain : if the barometer fall suddenly"and greatly, at any time, a northerly, and most probably a N.W. gale, of great strength, may be confidently oxpeoted. It does not follow that it will be immediate, for it may be preeeded by a
atrong gale from S.W., for a fow honis, during whioh the barometor will soldom nise,
and even, probably, continue to fall; but when the S.W. gale dies away, the northerly or N.W. will soon succeed, with a rising barometer.

In conolusion, I may remark that as, on the one hand, a considerable fall of the barometer may occur, without being followed by a strong wind; so, on the other, a breeze of considerable strength may come on without any indication from the barometer, but not anything that deserves the name of a gale. There has never, within our experience, occurred a gale, so heavy as to be of serious consequence to a good vessel, the approach of which has not been indicated by the barometer. But it must be remembered that a high barometer, in this climate, and under the circumatancea which I have mentioned, is often indicative of an easterly gale. It is remarkable that, in the gulf and estuary of the St. Lawrence, a high barometer may be considered as a low baromer of wet and foggy wegther, which usually accompanies its fall; whilst accompanies its rise. I amually probable that dry weather will ensue, sinee it ofton greatest ascistance in the navigation of the Gulf and River St. Lawrence, and that by which cong constantly to its state and changes, with reference to the winds and weather which preceded them, combined with the indications afforded by the appearance of the sky, dc., those changes of the wind and weather, which are about to take phace, may be anticipated with a degree of certainty sufficient, in most cases, to enable us to avoid being caught on a lee-shore, or in an unsafe anchorage, as well as to regulate oufr course in a voyage, in anticipation of the coming ohange.
An opinion is prevalent that the compasses of vessels are disturbed in the Gulf and River St. Lawrence, and such disturbance has been attributed to the magnetic ores of iron in the hille, particularly those, of the north coast. The magnetic oxide of iron does exist abundantly, and attracts the needle very powerfully at some points, Marticularly along the coast from the Bay of Seven Islands eastward. Among the Mingan Islands, we found the variation to vary from this cause from $19^{\circ}$ to $31^{\circ} \mathrm{W}$. effects were only on Manicouagon Point, the needle was also disturbed. But these effects were only noticed when the instrument was placed ou the shore. In two instances only, when sailing within two miles of the shore, have we observed any effect of the kind upon the compasees on board the Gulnare (the vessel in which the survey was made), and then only to the smount of a few degrees.

When running from place to place, at greater distances from the coast, nothing of the kind has been noticed; so that I feel sure, that in nine cases out of ten where this source of erroneous reckoning has been alleged as the cause of accidents to vessels, they originated either in errors of the chsrt, or in the local attraction on
board the vescels themselves." board the vessels themselves."
CURRENTS, to.-Capt. Bayfield, R.N., says-"' It is a generally received opinion, that a current sets constantly to the sonth-eastward out of the Gulf of St. Lawrence, between Newfoundland and Cape Bretou Island, and also that it is frequently doflected to the southward; towards the shores of the island last named, by another current from the northward, whioh is said to enter the Gulf by the Strait of Belle Isle. 1 have myself observed that a ourrent sets out, between Cape Ray and St. Paul Islaud, during westerly winds and in calm weather; but it is cbecked by easterly winds, and I believe that it may sometimes ruu in a contrary direction from the same cause. Northerly winds, and perhaps also the above-named current from the northward, may oause the stream to set to the southward towards Cape Breton Island.
 irregular an action upon the set and strength" of the currents and tidea in this ontrance of the Gulf, that I can saiy nothing certain or definite reapecting them.

The reality of a ciurrent inwards through the Strait, of Belle Isle is confirmed by the presence of iceberge, which it transports into the Gulf every summer, against the prevailing S.W. Winds; frequently carrying them as far as Mecattina, and sometimes even to the neighbourhood of the east point of Anticosti. Its strength is very much increased by a prevalence of N.E. winds: at such times it runs at the rato of 2 knots, through the Strait, and for 30 to 40 miles further to the weetward; diminishing gradually in force as it spreads out in the wider parts of the Gulf. Usually, however, its rate is much less. At times, when S.W. winds prevail, it becomes very, weak; and it
has even been reported to me, that a current has been observed setting out of the has even been reported to me, that a current has been observed setting out of the Gulf, in a contrary direction to the N.E., for days together, but this was never ohserved by us during either of the three seasons which we passed there. There is, however, , on the other, a in from the baroass never, within quence to a good er. But it must e circumatances remarkable that, be considered as ite fall; whilat ue, sinoe it often meter is of the noe, and that by nds and weather ppearance of the take plice, may sble us to àvoid to regulate oufr oed in the Gulf to the magnetic magnetic oxide at some pioists, d. Among the m $19^{\circ}$ to $31^{\circ} \mathrm{W}$. bed. But these shore. In two o observed any sel in which the
oast, nothing of it of ten where of accidents to 1 attrsction on
ceived opinion, St. Lawrence, frequently do y another curof Belle Isle. y and St. Peul ed by easterly from the same rom the northBreton Island. powerful and I tides in this ing them. confirmed by er, against the and sometimes is very much at ninishing gra$y$, however, its weak; and it ng out of the Iever observed e is, bowever;
no doubt that this current is extremely irregular, as might be expected at thit narrow outlet of « great inland sea, where winds, both within and without, musk of pecessity possess great influence.

Aiter entering the Gulf, it runs along the north or Labrador Const, at the distance of 2 or 8 miless from the outer islands; leaving a riarrow epzee in-ehore, in whici the streams of the tides, when uninfluenced by winds, are tolerably regular: Passing, outside of Mistanoque, the islands of Grand Mecattina, and the Southmakers Ledge, it pursues a direotion given to it by the trending of the coast, till it is turned gradually to the Bouthward, by the weak current which is often found coming from the westward between Anticosti sud the north coast, during weeterly winds, and which fs sot off to the southward from Nntashquan Point. The united streams continue their southern
oourse at a rate diminishing as they beoome more widely spread, and which seldom exceeds half a knot; and, finally, joining the main downward current out of the St.
\%. Liawrence, of which an account will he given immediately, they all pursue a S.E. direction towsrds the main entrance of the Gulf, between Oape Ray and the Island of St. Paul. It is this current from the northward, which is felt by vessels croesing from off the Bird Rocks Vwards Anticosti ; and whioh, together with neglecting to allow for the local attraction of the compass, has been the principal cause of masters of vessels so often finding themselves, unexpectedly, on the 'south coast. Many shipwrecks have arisen from this cause near Cape Rosier, Gaspé, Mal Bay, to.

Effoot of the Tides on this Curront.-Both these currents, viz., that from the northward, and the main downward ourrent of the St-Lawrence, are modified by the tides, but in a way directly contrary: for the northern current, in through tine Strait of Belle Isle, is avcelerated by the flood, and oheoked by the ebb; whilst the other is aocelerated by the ebb, and checked by the flood tide. These modifyiug oausees, viz., the tides and winds, give rise to various combinations, and consequent irregularities. in the direction and atrength of these streams, which it is extremely difficult at all times to estimste and allow for correctly.

Maik Ou'reint of the River.-The current along the sonth coast appears to be superficial - at least we found it so in the lower partis of the Estuary, where observations upon'thits spegific gravity of the water on the surface, and taken up from different depths, proved to us that the water of the St. Lawrence and its numerous tributary strcams was widely diffused over the Estuary. - It has also been observed that the ourrent is strongest in spring, soon after the opening of the navigation, when the rivers are swelled by the recently dissolved snows of the winter. But, sithough, generally epeaking, there seems no doubt that this current is the tribute of the St. Lawrenoe on its way to the ocean ; yet, in the upper part of the Estuary it is not alone, and at all times, caused by the discharge of the St. Lawrence, hut depends also upon peculiarities in the set of the tides. Thus, when our observations had confirmed the truth of the report, that the current always ran down on the south side of the Estuary in from a fow milee below Red Igland towarde the Ieland of Bio, we could not at first account for the fact; fotit appeared impos whit this could be the comparatively fresh water of the St. Lawrence flowing on Whirface towards the sea, when we knew that the whole body of water a few miles ahove, from thore to shore, on either side of 'Hars Island, and also in the Saguenay River, was running up during the flood tide. Atteation, and numerous obeervations, together with an examination of the tempersture and specific gravity of the water, informed us that this was an eddy flood; which is thus explained.

The flood tide asconds in a wide channel mone than 100 fathoms deep: when it arrives at the compiratively narrow pass formed by Grean Ialand, Red Islet Reef, and the extensive ghoals off the entrance of the Saguenay/River, it is obstructed therehy, as well as by the shoelness of the channel to the southward of Hare Island. There is not room for so great a volume of water to pass, and part of it is in consequence tnrned back, and forms an eddy flood, setting from/below Red Islet Reef, towards the Razade Islets. During the ebb tide, the etream of the Saguenay sete over to the southwurd in the same direction, hence the current on that side is always down.

There is no upward stream of the tide (excepting so close in-shore as to be uselese to ships) all along the south coast from Oape Gaspé to a fow miles below Red Islet, in oonsequenoe of the union of this eddy flood with the main ourrent of the river; and they have, therefore, so much influence on the navigation that I shall endearour to trace their course more partioularly.

Commending from a short diatance beiow the Red Ialet Reef, the current is there very strong-about 4 knote. It deoreasea in teiocity as it prooeedes to the wouth-anstward, slanting over towards the Razade Islets; off whieh ita rate is from 2 to 8 knots. It runs strongly along the northern edge of the Bank of Soundings off the south ooast, upon which, especially in apritg tides, a weak stream of flood wifl be found flowing in the opposito direction; and the boundary of the two streams ie usually marked by astrong rippie. From Father Point to Cape Chatte, the rate of the dewnward ourrent varies from it to 2 knots; mocording to the tide, direation of the wind, and ceason
of the year. of the year.

During the ebb tide the stream runs down on both sides, stronger on the south than the north oonst, and weakest in the middle of the Estuary. It is defleoted, or turned off to the southward, by the Points Mille-Vaches, Bersimis, Manicouagan, and Point de Monts, and by the ebbing atreams of the large rivers between them: a oircumstance which should be carefully attended to by vessels ooming up with a northerly wind; as they will infallibly be set over to tho southward upon a lee shore, if they do not make the necessary allowanoe by keeping their wind well over to the northward.
During the flood tide this stream still continues to run down outside the Bank of Soundinge off the south coast, although with diminished velooity, and, is felt about half way over towards the north shore. In the middle of the Estuary there is usually elack water; whilst along the north coast the stream of flood is regular in its recurrenoe, increasing in force as wo ascend the Eatuary. The strength of the strosm of flood is groatest in-shore, and diminishes as we proceed over to the southward, till at the distance of abbut 3 leagues it beoomep insensible. These differences in the strength and direction of the streams produce strong ripples in various parts of the Estuary, but their position varies with the different times of tide, and perhaps from other canses, so that they cannfot asfely be trusted for any guidance to the sesman.

Round Point de Monts there is little or no etream of flood, excepting very close inshore; the downward ourrent is constant, or nearly a0, off that point ; and it requires
kno
and bre
diff of
the
ona:
atro
*at
swe
frot
sha
nig
\$T.
bea
$\pm$
dist
rou
mey
aje
tobe
othe
nea
the
obsc
ram
exo
sout

## THE GULF OF ST. LAWRENCE.

current is there the wouth-eastom 2 to 8 knots. the south ooast, $\theta$ found flowing ally marked by downward our(ind, and season

I the south than eoted, or turned ignan, and Point hem : a ciroumvith a northerly o shore, if they or to the north-
de the Bank of felt about half rere is usually lar in its recur$f$ the stresm of uthward, till at erences in the ls parts of the perhaps from the semman. very close inand it requires e Monte turna thet a vessel, rd tack, will be on her weather d, the current of 4 knots, it de Monts over 1er. This is a against, when tally in foggy. t, nor, indeed, sti. It is concurve to the inture Ialend; e towarde the of the great om Magdalen form. When ren over from mning round d (aje of the I Eequimaux westward of ly paentioned. at and S.W. tt, frequently a mivh more

## onst botweon

 ptember, and een 1 and 2lnota lo werior Turls and in oue inetence inds. was welker, often nearly insenaible, in eastedy winds; and in oue inatanoe, off Mont Louis River, in a calm whioh was followed yy a atrong breeze from the eactivard, it could net be peroeived.

Vessels beating up the 8t. Isawronce against weoterly winds usually experience litule difficulty in making good way to windward, after kaving weathered the weat point of Andicosti and arrived on the north ooast: beoause there is seldom any ourrent on that side, and the tidee, although weak, aro tolerabiy regular. It is in general very eaty to beal from the Seven Islands to Point de Monts ; for there the stregm of flood is stronger than the ebb; the latter, as well as the curfent, being turned off to the eouthward by Point 'de Monts. There seeme, at times, also to be an eddy current there, sweeping round the great bay or curve between the above-named points. It sets off from above Egg Islet to the 8.S.W.; and is the probsble osuse why vessels, whioh shape a direot course for. Point de Monts with a leeding N.W. wind off the land ut night, so often find themselves obliged to haul up for, or unable, to fetoh the light."

## \$T. PAUL'S ISLAND, THE MAGDALEN ISLANDS, BRYON ISLAND, THE BIRD ISLETS, ANTICOSTI.

ET. PAusis mpard.-This island is nearly 8 miles long, and 1 mile broad. The bearing and distanoe from the south point of the island to Cape North are, W.s.W. $\$$ W., 13 milos; and from the north point of the island to. Cape Ray, the beariug and distanoe are, E. by N., 41 'milei. The miargin is rocky and precipitous almost all round, indented by ooree, in which ghelter, during the provalenoe of oertain windg, miay be obtained. A small detached ialet forms ite N.E. point, whioh is separuted by a very narrow ohainel, from a peninsula, between, 300 and 400 foet high, whioh, to'gether with the isthmus, is so precipitous ta to be nearly inacoessible.

Two lighthounes are eatsbliahed on this island; one on the northern ond, and the other on the southern point, one of wliich will alwaye be open, unless to a vencel very near the central rocks. Tha northorn light is fixed, and vivible six leagues all round the compass, except on the bearings betwoen N. by E. and E. by N., when it will be obscured by the hills to the southward of it." The southern light revolves at about the shme elevation as the northern one ( 140 feet), and is visible six leagues on all bearings, exoept those between West and S.S.E., when it is cqnoealed by the 1 laod. At the southern lighthouse a bell is kept tolling in foggy weather, worked by meohinery.

About a mile from the south point on the west aide of the island, is. Trinity Cove, at the northern part of whioh is a provision post ; and on the opposite aide of the island io Atlantio Cove: a landing may be effected in either of theise: The cove on the N.W affords a amall and bold beach, about 150 feet long, where a landing may be effected, but generally. with difficulty, by reason of the continual awell of the sean. The interior of the island risem into three hills, the highest being nearly in the centre, and terminating in a square summit of about 50 feet on each oide, nearly perpendicular, and estimated to be about 600 feat above the level of the ceer. The aurfice of the inland is, in general, rooky, with some epots of marsh or bog, which probably supply the froak Whiter issuing from the rock. Stunted fir and white biroh trees are the onily products of the isle, butt some drift wood may be picked up.

There is anchorage all round the istand, And olose in-shore, which ciroumstance onables vessels to lie there with any winds, by shifting thoir stations as the wind and weathor require; - a mode prectisod by the privateors of the United 8tates during the late war. There are tolerably regular soundings off the north aide, at the distance of half or three-quarters of a mile; on the N.E. side a bank liet off about three-quarters of a milo, with from, 7 to 8 fathoms of water. The general depth of the soundings around the lislend, tat half a mile from the shore, is from 20 to 40 , but the water sood deepens to 100 fathoms, wo that thero is little or no warning by the load when. approsphing this island in foggy weather. There is a plentiful fishery of cod and A mackorsl around the coast, and also an abundance of seale.
zacosatis resurbe--These islands form a ohain, in an irregular curved direction, and lio between the parallele of $47^{\circ} 12^{\prime}$ and $47^{\circ} 8 \phi^{\prime} \mathrm{N}$. The Magdalens, when first made from sem, appoar like saveral hilly islands, with ohahnols betwoen ; but, on.e
nearer appromeh, they are seen to be all connected together, with the exception of Entry Island, by a double line of sand-bars and beaches, inolosing extensive lagoons, having very narrow entrapcies, by whioh the tide finde access and egress. In some -parts these sand-bars are only a fow feet above"the sea, whilst in others they rise into hills of sand of considerable height. They appear to be increasing, since there are genarally ridges of asnd, with from 9 to 12 feet water, parallel to and from 50 to 100
fathoms outaide the beach fathoms outeide the beaoh. Between these ridges and the shors there are 3 and 4 fathoms of water, a ciroumstance which has proved fatal to the orews of vessels, wrecked upon these shores. The central parts of these.islarids attain an elevation of 200 to 680 feet. They oontain a population of about 1100 inhabitants, whose principal dopendenoe is upon the ood-fishery. Wood, for fuel, is searce near the settlements, and large spars are niot to be had. Sciall supplies of fresh provisions may be obtained, espeoially from Entry Island ; and water may be had from Amherst Harbour. These islands posgess no harbours for ships; but there are three fit for small vessels, named Amherst, House, and Grand Entry Harbours. The names of the islands are Entry Islind, Amherst, Grindstone, Alright, Wolf, Grosse, and Coffin Islands; exclusive of Bryon or Cross Island, and the Bird Islets, which lie more to the north.

AMHERST ISLAND.-The most southerly and principal island of the group is Amherst Island, which is connected with Grindstone Island by a double line of sandbars, enclosing an extensive lagoon, 6 or 6 miles long, and from 1 to 3 wide, the southern part of whigh is named Basque Harbour: it has three outlets into Plessant Bay; the southernmost is the deepest, but has only s feet at low witer. To the east of this, and N.E. of the island, is Pleasant Bay, whioh is the best roadstead in the Magdalens, and the only one where vessela can venture to lie with all winds, during June, July, and August. The best anchorage is in 4 fathoms, with the rocky point of the entranee of Amberst Harbour bearing S.W. I W. two-thirde of a mile. Amherat Harbour is situated in the S.W. corner of Pleasant Bay ; its entrance is very narrow and erooked, and over the bar is 7 feet least water.

The hills in the interior of Amherst Island rise to the height of 550 feet above the sea." Towards the S.E. part of the island, and about $\&$ mile to the $N, W$. of Amherst Harbour, is the very remarkable conioal hill, named the Demoiselle, 280 feet high. At $7{ }^{7}$ miles, N. W. $\frac{1}{2}$ W., from the weetern part of Amherst Island, is situated Doadman's Islet, which is about 3 oables in length, and 17 in breadth, and is about 170 feet high; a reef extends from it , about onethird of a mile, towards Amherst Island. At 7 miles, N. $60^{\circ}$ E., fromi Deadman's Islet, and $5 \frac{1}{2}$ miles, W.N.W., from Grill Ialet is a very dangorous reef, named the White Horse, which is emall, only about a ouble's length in diameter, and has but 10 feet water over it; on it the sea often breaks.

GRINDSTONE ISLAND.-Thie island is the next largest of the group, being, in respect of size, intermediate between Amberst and Alright Islands. Its highest point is elerated 550 feet above the sea at higt water. On the west side of the island is a dangerous reef, with 18 feet least water, named the Pierre de Groe Cap, whioh is seldom seen, as the sea breaks upon it only in very heavy weather, It lies N:E. by E. E., 6 miles from the White Horse ; N.W. by W. from Hospital Cape; and 3f miles from Cape le Trou, the neurest part of Grindstone Island; thie reef, as well as White Horse Reef, may be oleared on the weat aide by not bringing Deadman's Islet to bear westrard of 8.W. $\frac{1}{}$ W.

ALRIGHT If LAND.-This island lies to the eastward of Grindstone Island. Cape Alright is the southern point of the lsland, and is remarkable, the oliffe being of a greyish-white colour, with oceasional brick red low down, and 400 feet high. The south ertregity of the cape is low, with a small rock close off it. To the N.W. of Cape "Alrighty bont $2 \frac{3}{4}$ miles, is the entrance to House Harbour ; it is narrow and crooked, with only 6 fathome water in it.

- Alright Reof lies 8. $80^{\circ} \mathrm{E}$., 84 miles from Cape Alright, to the outer edge of the

THoof, which is 400 fathoms long by 800 wide; it is of white pointed rocks, having only 6 feet over them. To olear it on the 8.W. side, keep the well-marked summit of Grindstone Island open to the sonth-westward of. Cape Alright; and to clear the B.E. gide of the reef, foup the east side of the woode of Wolf Island (seen over the bars, open to the ecotwaid of Shieg Island.
-WOLF 18LAND.-Yrom Grindstone Ieland the sand-beeches continue in a northeasterly direotion, for 10 miles, to Wolf Ieland, whioh is about threo-quartors of a mile long, with low mandedons cliffs ; from Wolf I sland the sand-bewohes recommence
exception of nsive lagoone, ess. In some they rise into since there are rom 50 to 100 e are 3 and 4 essels. wrecked tion of 200 to principal dottilements, and y be obtained, rbour. These ressels; named ads are Entry ; exclusive of
$f$ the group is line of sandto 3 wide, the into Plesesnt
To the east dstead in the winds, during rocky point of ile. Amherat bery narrow
reet ahove the $\nabla$ of Amherst feet high. At d Deadman's 170 feet high;

At 7 miles, let is a very mblo's length
oup, being, in highest point ae island is a whioh is eel18 N.E. by E. and 33 miles well as White Islet to bear
ztone Islañd. siffis being of thigh. The N.W. of Cape and crooked, : edge of the having only d eummit of lear the 8.E. rer the bark)
and continue, with occasional sand-hills, $\theta$ or 10 milles farther; to the North Cape in Grosse Islend. A rocky ehonl, of $\mathbf{3}$ fathome, named the Wolf Rocks, lies about half a mile from the shore off Wolf Island, and 10 miles north-oantward of Hospital Cape.
GROBEE IBLAND.-The northern point of Grosse Island is the North Cape of the Magdalens, and is a preoipioe of considarable height. The North Cape Rocks lie to the weatwird of the oape, the outermost being abopt 600 fathoma from the shore. The sandy beaches and hills continue, from Groses IAlend, ourving to the eagtward, 6 miles farther up to the East Point.

The East Point of the Magdalens is of low sand, inclosing several shallow ponds, and having several sand-hille, extending westward to the N:E. Cape, Off the East Point is the Long Spit, a ridge of sand, with from 2 to 3 fathome of water, exteriding 11 miles S.E. I 8 . from the point; and for $1 \frac{1}{2}$ miles farther in the ame direction the depth is from 4 to 8 fathome. To olear this apit in 5 or 6 fathoms, take oare not to bring Old Harry Head, the N.E.' point of Ooffin Island, to bear to the southward of west. It is extremely dangerous, and there is a heary breaking sea on it.

Doyle Reef liee S.E. \& E. 㛺 miles from the East Point. The lenst water on it in 3 fathome on one spot, and 12 to 18 fathoms all round it. It seldom shows, but is one of the worst dangers of the Magdalens. The only marl to clear it is s the North Cape of the Magdalens open two-thirds of its breadth to the N.E. of the North-East. Cape, whioh is a remarkable hill, 280 foet bigh, on East Island, which stands at the head of Grand Entry Harbour; and cen be seen over all the rand-hills.

COFFIN ISLANE:This ieland lies to the S.W *i: Sast Point, and its N.E. polnt, named Old Harry-Head, lies W.S.W. $4 \frac{1}{2}$ miles from to The Columbine Bhoals are a patch of rooks, with only 8 fathome on them, lying S.S.W: $\frac{1}{2}$., $2 \frac{1}{4}$ miles, from Old Harry Head. There are numerous amall shoals and patches within them, towards Coffin Island, on some of whioh are only 8 feet. This iq a dangerous part, and should not be approeched at night, or during foge.

The entrance of Grand Entry Harbour, situated at the S.W. eud of Coffin Island, is extremely narrow, and ought not to be attempted without ie pilot. The depth in this entrance is not more than 10 feept loast water, and the harbour itaelf is extensive and well sheltored.

At 6 miles W.S.W. from the antrance of Grand Entry Harbour, is Bhag Ialend, which ia amall and low, and out of the way of veasals.

ENTRY 18LAND.-At 7 miles, S. \& E. from Oape Alright, is the N.E. point of Entry Isiand, and the ohannel into Pleasant Bay lies between them, sud almo botweon Alright Reef and the Pearl Reef. The summit of Entry Island is, 080 leet abote the level of the eea, and is visible 8 or 9 leagues off, in olear weather. The red aliffs of this islend are magnifioent and beantiful, rising at the N.E. point to 850 feet, and at the south point to 400 feet. The 8.W. oliffs of Amhorst are also esteep, but of leps height; and as there is no land to the sonthward and weatward, it cannot be mistaken.

The Pearl Reef is a small dangerots Reef of white-pointed rooks, having only 8 feet water over it. It heans E. by N., $4 \frac{1}{2}$ miles, from the N.E. part of Entry Ialand, and S.E. $\$ 8$ S., 81 milee from Oape Alright; even with a moderata swell the sea breakg heavily upon it. Demoisalle Hill kept more than half a point open to the northward of Entry Island, will olear it to the northward, and the satos hill shut in with Entry Island clogrs it to the southward.
zamen zinn N. direotion, and is only a mile broad. The north side is the higheet, apd on the south side art nome soves, where boats mey eacily land with the wind off shore. Its eastern end bearm from the East Point of the Magdalenì, N. by E. 1 E, 101 milea, but its S.W. point approarhee to within $8 \frac{1}{4}$ miles of the North Cape of these ielands. A reof rums off from the S. Wi end of the irland $1 /$ milos; enother from its enst end of a mile to the N.E.; and there is a third ruming off to the sonthward from the 8.W. point of the inland, $1 \frac{1}{2}$ miles, Clome to the eastward of the last of theme reafis there is good anchorege, in 4 or 6 fathoms, or in 6 fathoms a mile from the shore. Smell remole ofton ride out heary N.W. gales under this ialand, olowe to the neef. Between Brjon Znd Magdalen Ialands the eoundiuge are regular, from 9 to 11 fathome. oxcopting a patch of fonl and rocky ground with 5 fathoms upon it, lying betwean S.W. $\frac{1}{2}$ W. and W.S.W, from the west end of Bryon Island. Although the eoundings in appromohing Bryon Island are regular, great oare must be taken in appronehing
the reefa before mentioned, as they are very ateep, eapecially the one running to the southward.
 and flat and whlte at the top. In the pagyage between them there are rocks. The southernmost ia the lirgest; from the east end of the N.W. Bird Rock there extends $a$ ledge of rooks.

Nearly midway botween Bryon and Bird Islands there is a rocky ehoal, seid to have only 4 fathoms on it in one part, but not less than 7 have been found on it. This, as well as the patoh 81 miles W.S.W. of Bryon Island, ehould be avoided by large ships in rough weather.

At 4 leagues to the eastrard of the Bird Islands is the edge of the bank of soundings, on which are 65 fathoms. You thould come no nearer the east side, in thick weather, than 40 fathoms.

An ruroonsin-The inland of Antioosti lies at the entrance of the River St. Lawrence, and is about 40 leagues in length by 10 in breadth. It is of moderate height, being estimated to be nowhere more than 700 feet bigh, and is extremely barren, affording scarcoly any suppoyt for the fow quadrupeds whioh inhabit it. Although so destitute of austenanee, yet streams of fresh water may be found on every part of the coast, but generally too small even for boats. These streams become rapid immediately within their entrances; and even the largest of them, Observation River, to the westward of the S.W. Point, is barred with sand, excepting for short intervale of time after the spring freshets or heavy rains. Thete are no harbours or anchoring plaoes suitable for large vessels. The only inhabitants are the people in oharge of the lighthouses and provision posts, and at Fox Bay at the east end of the inland.

Upon the island there are various provision posts established by the Government of Lower Canades for the reliof of castaway erews, one of which is at Ellis Bay, 2 leagues S.E. from the west end of the island; the eecond at the lighthouse on the 8. W. Point; a third at Jupiter River or Stiallop Creek; and a fourth at Heath Point.

There have also been pleced direction boarde at different parts of the island, near the beach, to assist perions, who may have had the misfortune to be wrecked, in finding the provision poete above mentioned, whioh are nailed to trees with their brancbies cut' off, to render the writing visible. They are or were pleced as follows :18t, on the west point of the island; 2nd, 4 leagues south-eastward of Ellis Bay; 3rd, 10 leaguen weatwaird of Jupiter River; and the 4th, 7 leagues eastwardof Jupiter River.
Lighthowece.-There are now two excellent lights established on this island.
The S.W. Point Lighthouse is built on the extremity of the point. The tower is of the usual eonical form, 75 feet high, and shows a bright light, revolving every minnte, which oan be seen from N.N.W. ronid by west and south to S.S.E. $\frac{1}{5}$ E. The lantern is 100 feet above the level of high weter, and can be seen 15 miles from the deck, and $19 \frac{1}{2}$ miles when the eye is elevated 60 feet. To the lighthouse is attached a provision post, which forms a conspiouous landmark.
Heath Point Lighthouse is of the same form, dimensions, and colour as that on the S.W. point of the island. It ahows a bright fixed light from W.N.W. to N.E. by N., at 100 feet above the aea, and can be soen 6 or 6 leagues in clear wreathor, It was first lighted in October, 1848.
EAST OAPE.-The East Cape, in lat. $49^{\circ} 8^{\prime} 25^{\prime \prime} \mathrm{N}$. , and long. $61^{\circ} 39^{\prime} 69^{\prime \prime}$ W., is a perpendicular oliff, 10 feet high. To the south ward of it, at the extromity of the low land, is Heath Point, with its lighthouse. This building at a distance appears like a sail, and is useful in marking the extont of low land to vessels either to the east or weat of North. Between Heath Point and East Cape is Wreck Bay, in whioh there is no anchorage.

A dangerous reef rane off Heath Point about 2 miles in an E.S.E. direotion; beyond which are 6 fathoms, inereasing to 7 fathoms at the distance of 8 miles from the point. To avoid it, come not nearer to the enst side of the point than 20 fathoma; to the mouth-westward of the point the ehoal water only extends off three-quarters of a milo- A little farther to the weetward is one of the best open anohoragos on this side of the ieland, where sou may anohor in 10 fathome, with the lighthydise bearing E. by N., and Cormorant Point W.N.W., on a bottom of fand and mud, at nearly 2 miles from the ghore.
During weaterily winda it would be dangeroun to approech too near the east aide of
aing to the rate height, ooks. The ere extends aid to have it. This, as large ahips $k$ of soundde, in thiok er St. Lawrate height, rely barren, dthough so part of the did immediiver, to the rals of time ring placos of the light-

## iovernment

 lis Bay, 2 unse on the eath Point. sland, near rrookod, in mith their follows :Ellis Bey; tof Jupiterand.
tower is of ery minute, Che lantern dook, and a provision that on the N.E. by N., or, It was $60^{\prime \prime}$ W., is mity of the 100 appears to the east , in whioh
eotion; boes from the 0 fachoms; quarters of yes on this ise bearing at nearly 2
east mide of

Heath Point, for the winds coming thong the land on each side of the island, sometimes do not meet until several miles to the eastward of the point. Between them jou will be becalmed, and a strong current rouad the point might set you upon the reef.

About 6 miles W. by N. from Heath Point is Oormorant Point, beyond which, at the distancia of 161 miles, is South Point, off/which a reef runs nearly $1 \frac{1}{2}$ milos, oansing heary breakers. To olear this reef at the distance of 2 miles, bring Heath and Cormörant Points in one bearing E. by S. South Point has a beacon 40 feet high upon it, eltuated in lat. $49^{\circ} 8^{\prime \prime} 43^{\prime \prime}$ and lorg. $62^{\circ} 18^{\prime} 30^{\prime \prime} \mathrm{W}$.
From South Point to the lighthouse on the S.W. Point, the distance is 56 miles, and the intervening land has a similar ppearance throughout. Between these points are the Jupitor River or Shallop Creek/Pavilion River, and Salt Lake River and Bay.
At Jupiter River, which lies 18 miles N.W. of South Point, are the houses of the provision establishment. Pavilion piver lies 10 miles from Jupiter River, and ite locality may readily be distinguisbod by the beacon erected near its between, the coast is all low, but may be approgehed safely by the deep-sea lead, the reefs nowhere extending more than is miles off. At nearly 21 miles to the north-westward of Pavilion River are Salt Lake River and Bay, from whence to S.W. Point the coast is highor and bolder, and should be approached with oaution in fogey weather. When standing in-shore at night, do/not.bring the lighthouse to bear to the westward of N.N.W. Off the centre of Salt-Lake Bay is indifferont anchorage in 7 fathoms, which must be very oautionsly taten; six miles eastward of this bay there is a beacon, the latitude of whioh is $49^{\circ} 17^{\prime} \mathrm{s} 90^{\prime \prime}$, and the longitude $63^{\circ} 20^{\prime} 30^{\prime \prime} \mathrm{W}$.
S.W. POINT.-The S.W/ Point is a low point, with a small oove on its north side, and has a reef running off /it,about half a mile towards the west and south-west, 2 miles ontside of which are 80 fathoms. In this oove vessels may anchor in 12 or 13 fathoms, sand and gravel. with the extremity of the point bearing S.8.W. W., distant three-quartere of a dile, sheltered from N. by E. to 8. by W.; but the anohorage is not recommended, being exposed to westerly wipds, and the ground being indifferent. Henes to Ellis Bey the coast is lined by reefsextending out, in most parts, about a milo, with 10 or 12 fathoms olose to them; and there is no safe anohorage for vessels. In running/down this shore the leed should bo kept going.

About 6 miles to the northward of S.W. Point is Observation River, the largest stream on the island, having 5 or 6 feet water at the entrance, but barred with southwesterly geles. Onthe north side of the river are some high sandy oliffs, and 16 milos farther westward are some others, named the St. Mary's Oliffs, of less height and loss remarkeble, but not difficult to distinguish, as theiresituation is pointed out by a bemoon, in Tat. $49^{\circ} 40^{\prime} 30^{\prime \prime}$, and long. $63^{\circ} 68^{\prime}$ W. Beyond St. Mary's Oliffe at, the distance of 7 miles is a small stream, falling into a oove, named the Beosció River; this cove affords shelter for boato.

Elite Bay.affords tolerably good anchorage. Its east point is named Cape Eagie, and its went/point Cape Heury.

A reef of flat limestone runs off a mile south-westward from Cape Henry; and another reef runs off three-quartere of a mile to the westward from Cape Eagle; the entrance between them is 600 fathoms wide, from 8 fathoms on each side. Both the reefis ehow themselves by a line of breakers.

In approaching this bay from the westward, run down along the reefs off Cape Henry in 10 fethoms, until the west gide of the White Cliff, whioh is on the east side of the bay, oomes on with the east side of the westernmost of two hills, back in the country, bearing N.E. $\frac{1}{2}$., then haul up with these marks on, which will lead you into smooth water, olose under Cape Henry Reef, in 31 fathomsw Continue running on until Gamacho Houee bears N. by E., then haul ap for it, and anohor in 3 fathoms, maddy bottom, about half a mile from the flats at the head of the bay, and 300 fathoms from those on cither side: Keep the lead oonstantly going.
In running for the hay from the esstrard, with an esstorly wind, keep along Cape Eugle Beof, in no lese than 7 fathoms, till the eact side of the White Clifi comes on with the eest side of the same hill, as bofore; then haul up till the houses bear $\mathrm{N} . \mathrm{by}$ E., and proceed as before. It is high wator at Cape Henry, full and ohange; at ih. $43 \mathrm{~m} . ;$ apring tiden rise about r feet, neape, 4 feet.

Ellis Bey may bo readily known by Cape Henry, Whloh is a bluff point, and the land at the heed of the bey boing low causes the entrance to ahow distinctly. Two ridgee of hille, beok in the country, will heln to distiaguish it.

WEST POINT is low and wooded, with reefe extending not more than a mile from the shore. It may be eafely rounded in 10 fathoma, ot the distanoe of $1 \frac{4}{4}$ miles. Between West Point and Ellis Bay, the shore is lined with reefs to the distance of 14 miles, it must not therefore be too oloeely approanhed.

The coast from Wept Point to North Yoint is low, with reefe running off about a mile, and should not be approaohed nearer than 25 fathoms. From North Point to High Cliff, the distance is is miles, with a moderately low and wooded ehore... High Oliff may be easily known by being the only one on the island that has not its base washed by the sea.
White North Cliff lies 20 miles south-eastward of High Cliff; this part of the eosest is dangerous, for at about one-third of the distance from High Oliff the reefs extend fuilly 2 milem from the land, and continue no for some distance. On approaohing White North Cliff they only reach about half a mile from the shore. White North Cliff may be seen © on 7 loagues off, appearing like-a white patch.
Oarleton Point lies 10 miles south-oenstward of White North Cliff; uncor this point vessels masy anchor in fine weather, and procure wood and watar.

About 10 miles sonth-eastward of Carleton Point is Cape Obeervation, Ahigh, bold beadiand, under which veseols may anohor during westerly winds and fine weather, and obtain supplies of wood and water very conveniently. Farther eastward, at the distanoe of 12 t miles, is Bear Heal, a similar headland to Oape Observation, and 400 foet high, which last-named oliff may be easily recognized, as there are no bigh oliffy hoadlands of equal height to the weatward of it.

Between Bear Head and Cape-Robert is Bear Bay, whioh is considered to be the best roadstead on this part of the coast of Anticosti; as the bottom is excellent, the depth moderats, and the ehelter extends fron iN.N.W. round by west and south to 8.E. by 8. It is divided by two high cliffs, into three bsys, in eech of which is a fine beach of sand and shingle and a fresh-water stream. The best anohorage is in 18 futhoms with Tower Point (the southernmost of the cliff) bearing N.W. W., Cape Robert B:E -1 S., and Boar Head N. by W. FW.
To the south-eastward of Gape-Robert, distarit 19 milea, is Table Head, remarkable by its hill of a table form, immediately behind it ; the ooast botween contains meveral mall baye, but no anchoragé. Four miles farther is Fox, Head, muoh lower than Table Hoad; and to the southward of the heed is the bay, affording good anohorage for emall vessels during the summer months. The southern point of the bay is named Heef Point, and has a reefrunning' off it fully $1 \mathbf{1}$ miles, oloee off the ond of whioh are 10 fathomas, so that to avoid it vessels should not approech nearer than 18 fathoms. The north point of the bay has also a reef running from it, fully half a mile. Winds from E. by N. to E.N.E. blow direetly in.
Henoe to Eest Cape the coast is oliffy and about 100 feet in height, but bold and free from danger. About half way is Cape Sand-Top, between which and East Gape vessels may anchor during westerly winds, in 16 to 20 fathoms, tine sand, at a mile from the shore.

## THE NORTH COAST OF THE GULF.

## CAPE WHITTLE TO THE MINGAN ISLANDS.

Tre first bay to the westriard of Cape Whittle is Wolf Bay, a place full of rocky ledgee, bnt which, however, ali show. On the west side of the bay is the island of the same name, of a greater height/than the islands ubanlly are off this part of the coast, being about 150 feet' high,/hence it is oasils recognized; outaide of it is a emall 10w felet.

To the westward of Wolf Idet is Comoosecho Bay, affording the only anchorage for large vessels on this part of the coast, and which is represented to bo ensy of eocess, although the number of iglets and rocks soattorid about would oonvoy a dfferent impression. At the head of the bay fis the Bavin, at oxbellent harbout, mad another
harbour is formed by an arm running in an E. by N. direotion, named the Tortiary Sholl Bay, whioh is equally safe. Farther out than theee harbours the bey is more than half a mile wide, and quite sufficiently shaltered for the safety of any vescel with good anchons and cables.

Outside the ontrance of the bay are two amall dangerous ledges, named the South and South-west Breakers, the first of whioh his only 12 feat on it, and showe only in heary woether ; it hies W.N.W. \& W. from the omall low islet outside Wolf Inlet, and is the outermost of any danger on this part of the coast. The South-west Breaker has but 8 feet on it, and bears N. W. by N., 21 milee from the South Breaker, and weat $2 \frac{1}{1}$ miles from Point Audubon, the weat side of the bay.

The passage into the bay lies between these breakers, and in sailing in, the rule is, to leave Outer Islot (the low islet off Wolf Island) and the roiks to the northward of it, 300 fathoms to the ematward, and when abreast of theee rocke, a chain of low rooks, extending off to the south-west of Emery Island, will be seen right ahead. Bring the point of this ohain to bear N.E. ? N., when it will appear on with the extreme point of the mainland, on the. N.W. Eide, near the head of the bay, and run in on this mart, leaving some rocks, whioh lif, 600 fathoms off the east aide of Audubon Islets, to port, and then haul to the nortrwird a little, so as to leave the Emery Roak ou the atarboard. Thoir outor point bears N.N.E. + E., 8 milen from Outer Islet, and when up. to them, the bay is open before yon, and clear of danger. The farther in, the better the ground, and the less the, swell with S.W. winde, which are the only, winds that send any ewoll into the baj. Tertidiry Sholl Bay is quite olear, excopting a amall rock, one quarter of a mile within the entrance, which you must leave on the starboard hand; within it is perfectly land-locked, with from 6 to 11 fathpma, muddy bottom.
To enter the Basin, you leave Tertiary.Shell Bay, and the point of low rocks to the northward of it, to the east, and continue the course till within half a mile of the island, at thio head of the bay. "Theq etcoer over to the eastward, towarde that island, to avoid a shoal of houlder stones, extending 200 fathoms off the west side of the bay, loaving a deop chaunel between it and the ialand, 100 fathoms wide. Leave the islaid 50 fathoms to the eastward, and as you pass through, the water will deepen from 9 to 19 fathoms, and is soon as you are past the inner end of the island, heul to the N.W., into the mouth of a small bay, anohoring in 8 fathomes, over mud, and perfectly sheitered. On the east-side of the entrance of the river, is a house ocoupied for fur-trading and salmon-fishing.

In running for the bay from the westward, you may either pass betireen the Bouthwest and 8outh Breaters, by bringing the inner or N.E. end of Woif Ialanid to bear East, and etepring for it; or by bringing Outer Island to bear nothing to the aouthward of East, and running towarda it, until you are within lese than a mile, when you may haul in for the Emery Roaks, as before.

Thirteen milet to the westward of Cowooacho Bay is the River Oiomanoshoebo, Paint, or La Romaine, for each of these names it bears. It is vary shoal, and has a trading post on ite east side, and can soarcely be seen from the sea on scoount of the ialets, bat may be known by' the low sindy clifis, covered with spruce treet, on either side of the ontrance. The oonet to the eastward and weetward is fronted with innumerable islete and rocks. When sailing to the westward, woon after leavipg the river, you will see Treble Islet and Loon Rootrif the lattor are ${ }^{3}$ miles from the main and alvays visible, and are the outormost dangers en this part of the coast

Wash-aheoootai Bas, 10 milos weet of Olomanoshotebo, has off its entrance several small rooly lodges, making it very diffeult of eoobets. Three miles within Olondberry Point, the wertom point of the bay, the bay contracts to a vory narrow falet, with osveral rooks and iallets in it, and after proceeding about 8 miles yoì will roach a treding poot of tho Hudeon Bay Company.

Musquarro River, another poot of the Hudson Bey Company; 4 年 milos wentward of Clondbery Point, is situated 8 miles vithin the west point of a bay full of small islets and rocki, and beoomes narrow and rapid just within the entranoe. It will bo known by the heuses on the enst side of the entramee, mid also by a reamarkable precipitons red ridge of granite, about 200 feet high, and 2 miloe to the wost of the river. It can be used only by boats and very smailt veseels.
Kracionza Bif.-About 4 niloe to the westrard of Musquarro River is Ourlow Point, having eff it several low bare rocks and ledges whioh ave ahways visible ; this
point forms the eastern:side of Kegashka Bay, a wild place, safe only in fine weather and has a sandy bottom with bad holding ground. The western side of the bay is - Kegitshka Point, copasisting of an island nearly joined to a rocky peninsula, and distinguiehed from all other islantis on this coast, by being partly covered with spruce trees. A ohain of small igleta, wide apart from each other, afford very inditeorent shelter from the prevailing southerig winds, and the heavy sea which they roll in upon the coast. The best berth is in the N.W. corner of the bay, where the vessel must be - moored with an open hawse to the eastward, and have a third anchor on shore to the 8.W. so ts to be able to haul close in under the point, in the 8.W. and eoutherly gales; her bows will then be within 15 or 20 fathoms of the rocks, and the apray of the sea, breaking on the point, will reach her bowe.

To onter the bay, the beat channel is between a amall and low black ialet, lying between Green Island (which is oovered with grass, three-quarters of a mile eastward of Kegashke Point) and Kegishke Point. This ohannel is 170 fathoms wide, and 8 deep, and is quite oleat; the only direction necessary when coming from the weatward, is to give the south extremity of Kegashika Point a berth of a quarter of a mile, or to go no nearer than 8 fathoms; then run along the east aide of the point, whioh ie quite bold, leaving all the isiets on the starboard hand: Threequartera of a mile on a N.E. it N. course, will briag you to the narrow channel between the weateramost islet and the inner end of Kegashka Point; hanl round the point to the north-weetward, at the ditance of half a oable, and when within it, anchor as before etated.

Inieoming from the eastward, give Curlew Point a berth of half a mile, and run N.W: I N. $8 \frac{1}{4}$ miles, till the inner end of Kegashka Point bears North, and then proceed an before. It is high water on the days of full and change of the moon at $10 \frac{3}{\mathrm{~s}} \mathrm{~h}$., with a rise at epring tides of 5 feet.

Three miles to the westward of Kegashka Bay is the river, which affords only Sheiter for boats. Withiu the entrance there is a fiehing station.

NATASHQUAN POINT.-From Kegashke River the goast rune 15 miles to the weatward to Natashquas Point, in nearly a straight line, and presente nothing romarkable, consisting principaily of a sandy beach in front of sandy oliff covered with epruce trees.

Neerly 5 miles to the westward of Kegashke River, and $1 \frac{1}{3}$ miles off shore you will - meet with a rocky shoal, whioh should not be approached nearer than 17 fathoms, not having been examined.

Two miles before reaching Nataghquan Point is Mont Joli, a omall eminence, scarcely distinguishable. Captain Beyfield remarks that "Mont Joli has no existonce, at loast there is no mountain, nor even anything that deserres the name of a hill; but near the termination of the sandy oliffs, which end at the S.W. extremity of Natashquan Point, the sandy ridge, with spruce trees, rises into a slight mound, a very little higher than the rest of the country. This is Mont Joli; but so little remarkable in its appearanoe that we should not have noticed it, had it not been for its name."
ta The Ood Banks off this part of the coast, are of sand, gravel, and broken shells, and have 24 to 40 fathoms on them. They are from 6 to 11 milos from the shore, with $\mathbf{b 0}$. fathoms between. There is a small cod bank, with 41 fathoms loast water; at Il miles S.W. from the S.W, end of Natashquan Point.
if On the west aide of Natashquan Point is the river of the same name, having an entrance of about a mild in hidth. An ieland divides this entrance into two narrow channele, the northernmost of whioh is nearly dry, but the southernmost hes 9 to 11 feet water at high tide: At the distance of half a mile from the island, on the south thore, there is a trading-poet and fishery. Above this the river is navigable only for boate.

At the distance of $3 \frac{1}{2}$ miles from the river, is Little Natashquan Harbour, formed by a number of islete and rocks, and fit only for manall veseele. The entrance to it is be freen some islets on;the east, lyiag near the month of the Little Natnaloquan stream, the weaternmost of which is much the largeat, and on the western side is a rather high and round-baoked islot of grey granito, with a wooden cross on it. Off this islet a reef extends S.W. by S. rather more than half a mile. : Between the two sidpe of the entrance, is a central reef, part of which always shows, and whioh is bold-to, oni ite east thed south sides; the other sides must have a berth in pasaing

- weather the bay is , and disth apruoe nditferent 11 in upon 1 must be I shore to coutherly e apray of lying bestward of nd 8 deep, ward, is to $r$ to go no uito bold, N.E. $\frac{1}{1}$ N. $4 t$ and the at the dio-
, and run then proat $10 \frac{4 \mathrm{~h}}{}$., fords only les to the othing refi oovered
- you will 7 fathoms,
eminence, no ex neme of a tremity of nd, a very le remarkeen for its
ken ahells, the shore, nast water,
them. To splor the harbour, having arrived in 18 fathoms at half a mile distant from the harbour, and made out the islets at the entrance, bring the weat point of the longer island on the east aide, to bear N.E. by N., and the ialet with the cross onit will bear. N. by E. 1 E. $;$ and then steer for the lattor, till abreast of the outer part of the reef to the westward, and then bear auffliently to the eastward to pass on either aide of the contral reef, keeping clear of the ahoal water on its north and northeast onds, and anohor in the centre of the harboor in 4 fathoms, with the rock of the contral reef bearing 8.8.W. \& W., 180 fathoms off, and the cross N.W. by W. L W.
Five miles to the N.W. of Littio Natashquan is Washtarooka Bay, an intricato and dangerous place, full of small istets and shoals. Outside the bay is an islet or rook larger than the rest, named Shag Islet, whioh-will help to distinguish it. Ten miles from Little Natashquan is Agwnnus River, a stream difficult of access on account of the amall rooks at the bntrahce; and 5 milem farther is Nabesippi River, only admitcling boats in fine weather, with trading atation on ite west bank.
Hence to the westward are Pashasheeboo, Mushboniatawee, and Washatnagunaehka Bays, whioh are full of rooks and too difficult of socess for a stranger, although visited by the coasting vessels. Beyond these are the bays of Quetachoo-Manloouagon, Peashtebai, and Appealetat, to which a similar observation may be applied.
A good mark to know this part of the coast is Watcheeshoo Point on the east side of Quetachoo-Manicouagon Bay, which is composed of granito, 127 feet high, and bere of trees; it is a peninsula, having the appearance of an isiet, higher than the rest, when seen fromfa digtance. It bears E.S.E., 14 miles from St." Geneviove (one of the Mingan Islands) and N.W. by W., 18 miles, from Nabesippi.- Iuland, 6 miles from this, is the Saddie Hill, 874 feet high. Along the oonst between tion Natashquan and the Mingans, there are innumerable small and bare iplets and rocke, but nowhere extending from the points of the main beyond 21 milek. A redsel, therefore, ought not to approsch nearer than 20 fathoms.
 tion exceeding 800 foet above the sea, being in generai much lower. They possess very little soil, but nevertheless are thichly wooded with apruce, birch, and poplar, on the side towards the mainland; though towarde the sea, barren tracts often oceur, composed either of bare limestone, or of banks and ridges of limestone gravel. Supplies of wood and water cen readily be obtained from the principal ielands, wild berries are abundant in their season, and so are different kinds of wild fowl. Quadrupeds are searoe, but there are plenty of seala upon the limestone resfe, and a fow cod-fish off the coast.

The coast of the mainland proceeding from west to east, from Si. John River to Mingan, is of sand and clay, low and thickiy-wooded, and with a fine sandy beach. Farther eastward the shore is sometimes of granite, and at others of limestone, the latter rook lying immediatoly grer the former.
Monnt 8t. Jphn, 1416 feet hifi, is the bighest paint of the mainiand in this neighbourhood. There are other hills, estimated at 1000 foet labove the sea, about 6 longues farthor eastward, about 6 or 7 miles inland, and neariy opposite Quarty Island. With these oxceptions the main is low, especielly opposito the Eastorn Islande, where the hills are far beok in the country.
The tides among theso iolande, nevor exceed a tnot, oxbepting in very narrow channels. They are often rendered irregular by the windas, but in fine sottled weather there is a constant alteration of the streams of flood and ebb between the islands and the main, and also within the distance of 2 or 8 miles from the southern shores of the islands.
None of these islands, of whith there are 20, are inhabited; some of them are very small, and the largeat does not oxcoed 11 or 12 milee in circumference. Thiey are arranged parallel to the const, and extond along it 45 miles from St. Genevieve Ifland, the ensternmoet to the Perroquets the weeternmost.

Clear Water Point, whioh is 14 miles to the weitward of St. Genevieve, projeots out $s 0$ as to interrupt. the continnation of the chain of islands, and thus separates them into two division, the easternmost of which has been named the Equimaux Islands, a name which should be confirisd to the island properly so called in the western. division.
St. GPNEVIEVE, the eastornmont of the Mingen Islands, is abont 5 miles in

## 104. CAPE WHITILLE TO THE MINGAN ISLANDS.

circumference. Ite N.E. point is a bluff headland, being the termination in that direction of the highest part of the island, which is about 200 feet above the see, and slopee irregularly down to the southward.
sizount exp aturavive is an isolated table hill on the mainland, of limestone, 332 foet above the level of high water, bearing N. $\mathbf{f}$. rather more than 2 miles from the N.E. point of the ialand of Bt. Genevieve: Thi mountain, and the higa N.E. point of the island, distinotly point out to a vensel $/$ at ses, the position of the ohannel between the ieland ahd the main. There are two patohes of rook whioh render it neoessary to approach the island of St. Gendvieve with oaution, viz. the Sainte, and the Bowep Rooks.

The Sainte are two low and bare rocke, lying about three-quarters of a mile to the south of 8t. Genevieve. There is a channel of 5 fathothe deep, but with foul ground, between them and the island; and reefs under water dxtend from eaoh of them fully 300 fathoms to the south, S.E., and S.W.

The N.W. Bowen Rook, with 3 feet lenat watar, lieo sbout 14 milee E.S.E. $\bar{y}$ E. from the enctern Saint, and with the south nide of the latter on with the eentre of the westorn Saint.

The S.E. Bowen Rook, with 6 feet least water, Hies two-thirdf of a milo S.E. If. from the north-weet Bowen Rook, and 8.E. by E. $\frac{1}{4}$ E., $1 \frac{1}{2}$ mileg, from the eastern Baint, whigh is just open to the northward of the western saint. Thene very dangeroun fooke lip nearly in a line from the 8.E. point of St. Genevieve, at the dijtance of 1f and 2 miles, respeotively. There is very deep water between and olone to them, and also for rather more thay armile to the southward of them and the Saints. The soundings are here extremely irregular, varying from and 6 fathoms rook to 48 fathoms aend, sometimes in a single cast of the lead. The whole of this dangerous part should be avoided by vessels.

HUNTING IBLAND, the next weatward of St. Generiere, is low, thickly-wooded and broken into, many coves, fringed with emali islets and rooks on all sidodi oxopepting towards the mainland; it is about 11 miles in circumforsooen Its longent diamoter is parallel to the cosit, and about 4 miles. Of its S.W. point, and extending to the distance of $1 \frac{1}{4}$ miles, lie Wood and Gun Is/ands, leaving no passage betwoen, and having reefs running out from them 800 fathoms to the southivard. They are both low, and the latter is bare of trees, but conered with grais arid peat, in whioh multitudes of puffins burrow and rear their joupg.

The Garde Rock, alwaye above water, lies rather mors thina a mile off to the southward, from near the centre of Hunting Igland; it would be highly imprudent for any ehip"to" attempt a passage between it and the inliand, as there are many lodges scattered along the southern side of the island, and the Garde is itself the termination of a long ridge of supken rocks. The south-eastorn end of the island is likewise beset with several reefs, some of whioh extend three-quarters of is mile to the southward.

Colline Shoal, e small patch of rookt, with 12 feet least water, lies $2 t$ milee south, from the S.E. point of Hunting Islana. The marks on this dangerous shoal are the east point of SL. Genevieve just open to the eastward of the western Saint, bearing N. $88^{\circ} \mathrm{E}$., and the north point of Wood Island on with the south side of the Garde Rook, bearing N.W. Between Colline Shoal and the reefs off the S.E. point of Hunting Island; the moundinge are ifregular, from 4 to 17 fathethe over rooky bottom, and reopele should not paes there, as in suoh a place it thas impossible to be sure of bsiving diecovered every point of pook which may approwh a fow feot nearer the surfroe than the reat.

St. Genevisve and Betchin on Harbours.-The first is situated batween the ialand of the mame name and the mainland, and the second, betwoen Huating Ialand and the main. Both are oxoellent harbours, not difficult of nooees or egress, and fit for the largeat shipg. There are two ohannols leading to these harbours; nemaly, the Fast, and the Baints Changels.

To entar by the Rhast Channol, with an easterly wind, obsorve the following direo-tions:-Being at a distanoe from 8t. Genevieve Island, of not less than 3 miles, to be cure that you are farthor out than Bowen Rocko, bring the N.E. point of St. Generieve in one with Indiak Point (a low wooded point of the main, forming the ent point of Pillage Bay), Bearing N. $35^{\circ}$ W. Run in with this mark on, and you will Myo the Bowen Booke blalf a mile to the weatward, and will pase them in between 20 and 80 fathoms, over a pottom of fine sand and coral. When the S.E. point of

$$
\mathbf{S t}_{0}
$$

nol
fro
of

$$
y 0
$$

$$
\mathbf{A n}
$$


 . 6. i
in that sea, and , of lime2 miles the higa of of the olk which , viz. the
ile to the 1 ground, bem fully
8.E. $\frac{1}{4}$ E. re of the
8.E. $\frac{1}{8}$. - eastern dangertrance of to them, tto. The ck to 48 langerous
y-wooded oxoopting motar ia g to the ceth, and are bath ch multi-
he southit for any scattered tion of a ise beset hward.
lee south, al are the i, bearing he Garde point of bottom, esure of r the sur-
reen the © Ialand m, and flt inamaly. ng direoniles, to int of $8 t$. ming the , and you between - point of

St. Geneviove and the weat Salnt come in one, ohange your courme a little ta the northward, 00 as not to go too near a flat shoal, which extende nearly 800 fathoma from the east side of SL. Genevieve: Give the N.E. point of BL Genovieve a berth of a oable's length, and passing as olone to the shingly north point of that ieland an you ploase, bring up in 10 fathoms, mud bottom, half-way befween, the latter and Anchor Island, whioh will be meen lying ciove within the N.W. point of St. Genevieve.

If you with to prooeed to Betohewun Harbour Inatead of anchoring at St. Gonevievo, pass to the northward of Anchor Ialand, which is quite bold on that side, and jou will see the entrance of Betohowun (between the north point of Huntiug Island and-Partridge Point) bearing W. by N. Mount Partridge, on the N.E. side of the point of the same name, will be oasily reeognized, boing a wooded and atcop-aided hill, similar to, but muoh lower and amaller than Mount 8t. Geneviove. The north point of Hanting Island is aloo a olifify mound, with is cove on the eact side of it. It is quite bold and you must pase cose to it, to avoid the shoal off Partridge Point, whioh oxtonds a full quartor of a mile to the southward, and diminishes the navigablo breadth of the entrance to 850 fathome. When in the entrance, you will see a low islet in the contre of the harbour ; ateer for it, and anchor with it bearing W. by N., and distant one-third of a mile. The depth of mater in the harbour to from 0 to 18 fethome, over mind bottom.

The distance doross from the N.E. point of St. Genevieve to the main is about a mile, but the navigable breadth of the entrance is reduced to half a milo, by the rooks and shool water off Lodge Point, which is composed of numerous rocks of granite close together. The shoal water extende from: Loige Point direotly worons Pillage. Bay, to Partridge Point, and you must not appromeh thew shoals nearor than 7 fathoms. This seat ohanzel is the boet with casterly winds, and may be used with moderate, weaterly winde durling the flood tide, by veceele not too large to work in such nariew ohannele, but thoy muat be oareful in their boarde to the northward, especially in that towards Ledge. Point.

Saints Chamed,-To enter 8t, Genoviove and Betohowun Hiarbours by the Saints Channol, observe the following directions:-Bring the weet points of 8t. Geneviove and Anchor Islands in one, bearing North, at a dintance of not leen than 5 milos from the formar, to be sure that you are outside of Collins Shoal. Ran in upon this loading mark, until the north aidea of the two Seints come in one, bearing E.S.E.E. E. E. The east sides of Mount Partridge and of Honting Island (or rather of an ioland joined to it at low wetor) will come in one at the mame time, bearing N.W. by N.; stear upon this last-named loeding mark (to aroid a reof which oxtonds 280 fathoms from the S.W. point of St. Goneviore), until the east side of Mount St. Gonevieve, ceon over the sandy 8.E. point of Anchor Island, comes in one with the N.W. point of Bt. Genevieve Island, bearing N.N.E. I E. Change your cource now to north, which will take jou in through the contre of the ohannel between St. Geneviove and Hunting Islands, and jou may either proosed to St. Genevieve Harbour, round Anohor Ieland, giving its, west ond a barth of 8 cableo length, or to Botchowun Harbeur along the N.E. side of Hunting Island, whieh is quito bold.

The diroctiona just given for the Sainta Channol will load e ship in bettreen the dangers off St. Geneviove and Hunting Islandly, in not lose than 20 fathomen wetor; and sho will not have a less depth until she is in as far as Anchor Ialand. The broadthi of the channel between the shoel watar off the Saints, and the shoale of the S. F. point of Hunting Ialand, is a mile. It diminishes to half a mile botiveen the reef the 8.W. point of 8t Genoviovis and the eact end of Hunting Island, whioh is the narrowent part of the ohannol. Within thig narrowent pait, the ground beoomes good for anchoring, is it is everywhere between St. Genovieve and Betohowun Harbourn: Indeed so littlo ween comei in, that the whole opace may be connidered an a harbour eapeble of holding a great number of veusels of the Largest clacs. Wood and watar thay be obtained, the tattor from mall streamy, oither on the main or on the inlands.

There is in inner harbour at Betohewren, to the weatward of the low ialot whioh has been mentioned; but from thence there is no ehatinel, excopting for boats, to paie out to the reativard betweet Huntinig Ieland and the main.
The tide bistwoea'8t. Geinoviove and Hunting Ialandey and the minland, are muol influenced by the winds; but their rates soldo mount to is knot at any time, and
are usually much leas, exbeptiog through the shallow and narrow phinnel at the west end of Botchewun Harbour, where there in at times a complete rapifa.
CHARI.ES ISLAND, the next westward of Hunting Island, is 8 miles long, parallel to the conet, and $1 \frac{1}{2}$ wide.. It is about 200 feet high, pofld, and free from ehoals ; but at the dietanoe of three-quarters of a mile couth from /it east point, thoir is ia patch of rocky ground on which no lese them ofathoms has beof found, but which had bottor be aroided by, large vessels.
$\therefore$ The east point of Charles Ieland bears N.W. by W., nearly 27 files, from the wees point of Gnn Island. The former of theee pointe ia quite bold; ind go is tho latter to the N.W.; but to the S.W. it has a reef oxtending 200 fathoms. Between them is the entrance to Puffin Bay, which is open to southerfy winds. Wh hin the east point of Charles Ieland and half-way towards a ahoal core in this is/and/fhere is good anchorage in 7 fathoms, mud botiom, at the distance of 2 cables frop/ the island; but the 8.E. winda Fend in a conuiderable swell. In the N.E. corner of his bay is the narrow entranoe (botween ahoals off Ragg Point and Hunting Iskand) (o Ragg Bay, which has tolerable anchorage in its N.W. part, but has very deep FCfor on the aide towards Hunting Island, and is separated from the weetern part of Jetohewun Harboar by the ahoal and narrow channel for boits between tho islan and the main, before mentioned.
Charles Harbour, between the island and the main, though very narrow, is perfeotly eocure, and deep enough for vessels of any size, but te ent finces are ofily 80 fathoms wide. Within, it expands to a quarter of a mile wide by fhree-quarters of a mile in length. Both entrances are 7 fathoms deep, but you muaf pass over 4 fathome if you enter from the eastrard through Puffin Bay., the depth within the harbour is from 4 to $6 \frac{1}{\text { falhoma, with mud bottom. }}$

Strong winds occasionally cause the tides to run at/the rate of 2 knots in the ontranoes of the harbour, hut in general there is only a/feak stream with either tide.

To enter this harbour from Puffig Bay, bripg the NJ.E. point of Charles Island, whioh is high and cliffy, to bear N.W. then mieer, for for and give it a berth of 100 to 180 fathoms, as you haul round it to the westrdrd fo to the harbour.

To enter from Trilobite Bay, give the N. W. point of Charlea Island a berth of 00 to 140 fathoms, as you haul round it to S.E. By E. into the harbour. All the way from the eastern narrow entranoé into Charlee Harbour there is a broad zone of shoal water, which curres roond parallel to the mainland till it joins Whale Island, and nearly fille up all the N.W. part of Trilobite Bay.

WHALE ISLAND, one quarter of a mile from the east side of Ammonite Point, and with eboal water betweeh them, is distant 800 flthoms to the weotward of Charles Island. Both islands are bold and cliffy, and Trilobite Bay is botwoen them, with oxcelleut ancborage, well sheltered from all but sodtherly winds. The only dangor to bo avoided when working into Trilobite Bay ig a reef off Ammonite Point, which inoludee a small islet, and oxtenda half a mile oft ohore. The mark to olear thia reef, When running along the coast, is to keep Gun IMland open to the southward of Oharles laland, and when hauling in from the weetward, into Trilobite Bay, keep the north point of Charles Islend well open to the southward of Whale Island.
Clear Water Point, about 2 miles westward of Ammonite Point, and 21 miles weetward of Whale Island, is low, with shoal water exteñding about a quarter of ar mile from it to the nouthward.
The const forma a large bay betweon Points Cloar Water and Eiguimaux, along Which there are high and conspicuous diffit of eand and olay, that distinguish thia part of the const to a vemeol at neat. . The shoal wa'ty extends a considerable distanco. from the shore all round this bay, and opponite kes Cow Island the 8 -fathom mark is a mile out from the sandy beach.
Due went, and 11 miles from Clear Water Point, lies a rocky 8-fathom shoal; and there are three otheris, with 2 fathome, lying to the porthward of the first, and in a line from the point, towarde Walrus Island : the outer or westernmost of them boing rather more than 2 miles from the point.
The mark for the outermont of these pheals is the nouth iide of the high land of Niapisca Ialand in one with the south point of Guill Islaud, bearing N.W. by W. 1 W.; or the north point of Fright Island, on with the south side of Esquimway Inland, and open to the southward of Green Island, bearing N.W. by W. The lomating mark for
pessing outside these shoals, at the distance of half a mile, is the mouth pointif of Cull and Fright Ialands lo oue, bearing N.W. by W.

WALRUS ISLAND lies 4 milee to the W.N.W. from Olear Water Poiht, and Bos Cow Idand is clowe to the N.E. of it. The two inlande togother eover the apeoe of 1 miley, io a N.E. direotion, and are ateop and procipitous, excopting to the mouthward, in whioh direotion the reof off Sea Cow Island oxtonde threo-quatrort of a mile, and that off' Walrus Jaland, 200 fathoms.

There is a olear channal to the weotward of theve iolands, and also between thom and the Olear Water Shoala. This lattor ohannol is it miles wide, and, although not the best, may be used in proceediog to Esequimaus Harbour from the eaetward, by running upon the leading mark, which has been giren for olearigg the shoals to the wegtrard of Clear Water Point, until the east nides of Esquimequx and Walrus Islands copene in one. Then ateer for the N.E. nide of Bea Cow Ialhnd, atad haul round it. at the distance of not lose than 2 cablen, to the Dorth-weatward for the oust ontranof of the harbour.

GREEN ISLAND, amall, low, covered with grass, with reefis btrotohing north and south, 270 fathoms, but bold to the east and west, lies fye-alathe of a mile W.N.W. from Walrus Island, and a third of a milege.s.E. from' Eaquimáux Island.

GULL ISLAND lies a mile W. f. from Green Island, Fhioh it resomples, excepting that it is rather amallor. It is distant half a, mile from the 8.E. poibt of Esquimaux Island, but thore iv no pasage for shipe between thom. The south point of Gull Island is bold, and may sadoly bo passed at the distance of 2 oubles.

ESQUIMAUX 1SLAND, $2 \frac{1}{2}$ miles long, and it miles wide, is 200 or 950 feot high towards ite north side, sloping to the mouthward. Fromite S.W. point a shonal extends towarda Fright Island, which aleo has ashod strefohing towarde Eghuimanz Island. The ohanuel between theee, leading noth-eaepward towards Egquimaux Harbour, is 380 fathoms wide, with extremely deep water, but as the ${ }^{2}$ are no leading marks for it, and the reofs on either side are exfiremely dangerqua, it cannot be' recommended.
FRIGHT ISLAND is nearly a mile from the weat point of Esquimany/Island, and about half a mile long, in a N.E. direction; it is bold gh the couth and S.W., on which sides vascols may pass at a cable's longth, but reofs eztend off it to the enst, N.E., and N.W., to the dietence of 3 eablee.

QUIN ISLAND lies within, or N.E. by N. from Fright Isand, from which it is distant a short half mile: it is noarly 11 miles long, in a N.N.E. difeotion, and ito shores are bold, with the exoeption of a broad reaf running out hadf a mile to the W.N.W. from ite north point.

There is a deep channel of two cables' width, botween Quin Ieland and the reefis of Fright Island, named the Fright Channel. This channol miy be used with a weatorly wind for proceeding to Esquimaux Harbour, by hauling up to the east of Niapisca till the south end of Quin Ielard comes in pone with the south slde of the oove in Esquimaux islande, bearing E.8.E., then atboriog "do as to paes alow round the mouth point of Quin Island, whioh is quite bold, /ind thence E. by N.; 2 miles, to the entrance of the harbour.

But the best channel from the westiward /owarde Esquimayx Harbour is Quin Ohannel; it lies betweon Quin Ieland and the main; which, at Hoint aux Morte, is distant two-thirds of a mile to the N.N.E. from the north point of the island. The ohool water extonds only as eable's length to the northward firom the latter, but off Point aux Morts, and also off the small inie/s which lie rather/more than a third of a mile to the W.N.W. from it, the reefe extond 200, fathoms to the iouth ward; and the shoal. water is oontinuoue to the eactward, acrose the mouth of the wide bay, whioh is to the northward of the harbour, and betycen Poipt aux Mofte and Eequimeux Point. The depth of water in Quin Ohannel is from 6 to 11 ffthoms, with rooky, gravelly, or sandy bottom.

Efocimauz Harpoin liea betreen' the north and N.E. points of the island of the same name, and botween that island and the mainland. The island is 400 fachotms from Esquimaux Point, whiol bounde the N:E/part of the harbour. Esquimanx Point, having the entrance of a small river on iss weat side, corsiate of mand, ard is quito bold to the S. W., although shoals extond from it coroes the bays on oithor aide, as has been mentionga. The north and N.E. points of Bsquimaus Island are aloo

## 11)

## CAY WHITTLE TO THR MINGAN IBLANDB.

maNd, and may be paesed at the diataree of 70 fethemes by the largeat ships. The depth within the herbour is from of to 10 fathomsi, over a andy bottom. The apaos in whioh mole may ínohor is nearly 13 milen long, in a N.W. W. Wircotion, whioh is tha beaving of the poiste of the lufand from eabh other, and the average broedth of the frerbar A andiee longth. Thero is therofore noom for a great number of veneoli, which, and N. E. Roiton and in not more than 11 faitiomes water), will bo aboitered from all winde. Suppline of good wabor may be prooured from the river at Point Esquimaux, or from emad stroumi on the island, and wood is plentifal.
Brief directions have been alreedy givon for see Cow, Fright, and Quin Channela, loadigg to this exoollont harbour. For the beet charinole firom the eatward and weitward, obverve the following direetions:-
The beat Channol with eapterly finde je the Walrus Channol, lying between Walruin and Grean Ielende. This ohannal it threequarters of a milo wide, with 8 fathome loant water, and it is only necoesary to give either island a berth of 200 fothoms to bo offar of eli dangera. Belng 2 or 8 milot outeide of theee islande; bring the N.E. point of Eequimany Ieland to appear about half way between the two illanda abovo mentioned as forming the ohanmel, and it will bear about north. Steer for it, and giving it a berth of a oablein lopgth, haut round it to the north-weetward into the harbour, and anohor in the dopth and pooition whioh has been recommendod.
The beet ehannel with weoterl/5winde is to the weetward of Fright and Quin Iolainds; between thown and Niapicon Island, and then betweon. Opin Island and the main. Ths extont and porition of the reofs off Fright and Quin Ielande have boon already given. Niapicien Ialand, hamever, has reofis of flat kimiatone extending half a mile to the couthward; and also a quartor of a mille to the ceatward, from ite s.E. and ount points, botwreen whioh a vory remarkable group of flower-pot rocke will be eodn atanding on the limentone juat abore high-water mark. From its oiet point, whioh is the couth point of a bay in tho ifliad, anothar reof ruais ont half a mile to the N.E. by E., but there is ample apace botween these reefie and Fright Ialand, the abannal bolng over a mile wide in the narroweot part, and botween. 89 ind 40 , fothoms doep.
In running for this oharinel from the weatrin woberve the followiog direetione:Firot, obeorve that the loading mark for clourA the eouth reef of Niapieouk Island by mora than 2 cablec' length, is the N.W. point of Fright Island in one with the south and of Quin Inland: do not therofore open thoes inlande olons of each othor, until you have brought Moniso. Ioland (bearing N. 1 E., 21 milee from the nearient point of Niapisoal) in ajght to the eactward of Niapisca. Having done eo, haul in through the channel, stoering N.N.E. 1. E., and whon jou open Moutange Ibland (next weitward of Moniac) to the northward of Niapisoa, you will be glear of thie N.E. by E. roof above montioned. Haul up now, if, neoceary, to aloar the reef, whioh projeote half a mile W.N.W. from the north point of Quin Inland; until you not only open the north point of. Eequimanx Island to the northward of Quin Inlasd, but aleo the north point of Soafiper Itlead to the northward of Eqquimauz Island. Run in between Quin Ialand wid the main, with, the leet-named marks just ophn, bearing about 8. $54^{\circ} \mathrm{E}$., and they will leid you past the north point of Quis Ioland, at the distapio of about 200 fathompe.
Take notice that the mark for the ehoale off point aux Morte, and taficu weotwand of it, is the north and N.E. pointe fing Saquimaux Itiand in
8.E. İ E.; if you opon them bofore you are at far to the eastward as $C$
will be ashore. Hating pacied Cuin Iellind, continus your courve tow ci:cirist north pointeof Eiquipanax Filand; and hival round it to the tonth-emotwerd into the Harbour.
The tilen unoally run at the rate of obout one knot through Eequimaux Harbour, the flood wing round Clear, Wator Point from' the emetward, and paoolng to the weet Third betw whe INland and the main. The ohb figwe in the contrary direotion.



NIAPISO $1 .+$ th the thero at fimes fully 2 tnots.
mone then 2 ct te at then roofs $q$, itick bave been already mentioned, is rether threo prinaiperbing site exeveding wouth; it is partly covejed with wood, and hais
QUARRY ISLAND, nearly it milee lot in hoight:

The dopth in which oh io the th of the di, whioh, Its north from all quimaux, Channele, and weit
n Walruis - futhoms me to bo the N.E. da Aboro or it, and into the

Iolandes ain. Th ly given. lo to the a points, nding on ho south E., but Is over a tiona:sland by ho sonth antil you point of ough the ventward , E. roof to half a ho north th point on Quin $.54^{\circ} \mathrm{E}$. of about綡 6 north Inrbour. Iarbour, he weent ireotion. cote out seir rato winds in - rather and has ispisea,
is separated from the latior by a ohaniel 870 fathome wido, with a amall ibiot in it it but no safe paneage for thippinge becauce of ohoale in the bay to the southward, ine id of a roof whith sirocthes boyond the manall intoc. Other rools aleo run out one thind of a mile from the weot aide of Nitipisoo, and from the muth sile of Quarry Island.
Quafiry Cove is on the north aldo, and two-thinde of a' mile to the north-weetward of the cant end of the inannd. It is 830 fuchome wide, and about 100 doep, Trich 29 futhome of wator in the ontranoe, ahonliog gradually to 1 fathome, with mud boftom eloee to its bead. The ialande and showle along the malaland aces direant only 3 miles to the northward of this cove, whioh thus becomee a complecty hand-looked, though very. amall harbours: No other direotione qre requibite, than keoping the woot side nearite oan board in enteriog, and to anehor nour the onntro in 9 or 10 fathomas: Good why mily be obteined from 2 amall atroem in the B.W. cornar of the oove.
E. XT on obtanuel, named Quarry Ohannel, between Quarry Ialiand and Larye
 wheirme in'th narroweot part, whero the shoal mator of Largo Idenad diminiaboen the the to breadth to 880 fathome. The only dirrotions neomoary are to bring the oderix, to boar N.N.E.; then run in keoping in its contre until troo-thirde of a mile within tho s.W. point of Quarry Iolend, anor whioh you may heop that inalenit oloes on bowd, an the remaindor of the ohannel, it miles, io quito boid on that ride, whilo the sheod wator oxtoonde 150 fathome from Large Inland. The flood tune alowly in tbrou fir this ohannool, and the obb ace elowly out.
LARGE I8LAND is of an oval abapo, the longet diemotor framp north to couth being 4 miles ; it is rather more than 14 milloe in diroumforenoo, thiokiy-rooded, and in its higheot part extimatod at 200 fact above the scoe. Roefa of flat limotionio arivad off its couth and 8. Wh pofints to the diptance of nearly three-quartors of a mile, and the mark for the south point of thoee peofa, in 2 fathome, is the nouth points of Niapirien and Fright Ielande in one. On ite weat-aide, a mile to the northward of its. S.W. point, thete are many flower-pot and arohod rooks, standing on the flat limestone. above the precont high-wator mepks.
The Middle Reof lies juat within the lime joining the eouth pointe of Large and Minganifelands, nod 2 miles weatward of the former. A part of this reof is always above water, butit is not 30 fathome in diamotor, though the shoal 'around it in half $a$ mile long in a N.E. by N. direotion, and onethird of a milo ìdde. The mark for this east aide of this reof, in 4 fathome, is the eapt aides of the two Birch Ialende in onte.

The navigable paeagge between this reef and Large Ialand named the Largo Ohannel, is 1 milee ride, and bee a depth of 64 fathome. This is the ohannal that ehould be used by a veavel proceeding to Mingan Harbour with an cattorly wind, and in doing so the only thing necoseary to be obeorived is, that the reofe extond to the wretward off the ahore of Large Ieland, from 8 to 2 oablece length, at far in as the Flowerpot Columna, aftor whioh the inland beoomee bold. There is little or no warning by the lead on the ILarge Ialend aido, but the Middle Roof mily be appronohed to 18 fachoms, whioh, on the anct side, is mare than half a millo from it. Further inj; the, Birch IElands form the west side of this channel, at trede distanoe of mearly 2 milee from Large Ifland; the oant mide of the Oator Bireh io quite bolds and the ibhoal water extonde only 100 fathoms off the enat ond of the Inner Birch Island.
The OUTER $\triangle N D$ INNER BIBOH ISLANDS lie to the northirand of the Midele Reof, and in a line from it towards the weat side of Harbour Island. The ohatnel botweon the Outor Birch Ialand and the Middle Reef is almont a mile wide and 80. fathome deep, and the shoil wator oxtonde oniy 100 fathoms from the couth point of the former. But thete is a very dangaroua yoof off the weat side of the Ontor Birch Ieland; extending 600 fathome from the shore. The oliannel between the two Biroh Ielands is 800 fathoms wide, bit the ground is all foul, and not more than 81 fathoms could be oarried through by a stranger. The Outer Biroh Ieland is about a mile in diamoter, and about 800 feot in height, and it hat a remarkable, flowor.pot roots on ite 8.W. point. The Innor Birth Itlend is ratber lerger ; its N,W, point is long and low, oxtondiag half a mile to the weatward from the body of the ioland, with $n$ curve to the S.W.; of this point there is a reof running out half a mile to the westward, and having 12 fathoms within is cable's length of its edge.
Hals a mile to the 8. W. of the same point, there is a small low inlet, elose to the eouth point of which ctanis a very romarhable rook, named the Hull Rook, from ite. cemomblance to the hulk of a wreaked remal. The reef of flat limentone, dry atilow
 IWang, extende 800 fethome of the fock to the S.W., and aloo 200 fathoms to the weetward: The flood tide setio out to tha S. W. between the Biroh Islands, and also betwein them and the Midalis Rhef.
Bettreen the Birch Ishade and Xipgan Island is Birch Chaniel, which is the best by which to proced to Mingan Harbour with weeterly winds. It is 3 mileo wide, and all deep water.

MINGAN ISLAND, g4 miles to-the weitward of the Inner Birch Island, is nearly 2 miles long, in a N.N.E. direotion; and; inoluding two smalr islets olose to its west side, nearly a mile broid. It is about 100 feet in height, and bare of trees. The shoal water- does not extend above 800 fathoms off ite south point; but to the S.W. and west the reeft, incinding the isleta, run out nearly 600 fathoms. The ialand is bold on its north and enst sides.

To the S.W. $\frac{1}{\text { S., }} 8+$ miles from the south point of Mingan Island, and with the south point of the Outer Birch on with the north point of Large Ieland, lies the Mingan Patob,: which consists of rocky gronnd of 9 fathoms lesest water, yet there is a very heaty swell on it at times. There are 22 fathoms of wator between it and the island.

The PERROQUETIS, the westernmont of the Mingan Islands, are four small ielets, low, and bare of treee. The north-westernmost is higher than the others, surrounded with eliffs, and has a superstratnm of peat on its flat summit, in whioh great numbers of puffine burrow and rear their young. The two easternmost of these islete are distant 2 miles N.W. by W. from the centre of Mingan Island, and have a repfof fiat limeetone extending off them three-quartery of a mile to the S.S.W. There is aleo a ahoal to the northward of them one-third of a mile, and a narrow channel between them and the other two, but of no use'ts vessels. The north-webternmost islet has shoal vator off it to the distanos of a quarter of a mile; bothrid the easotward and westwards buti vessel may pass to the northward of it, at the distande of 200 fathoms, in 14 or 10 fashome of weter. The Porroquet Channel, betireen these islets and Mingan Islatid, it 11 miles wide, and has a depth in mid-ohannel, varying from 80 to 40 fathoms. Both the flood and ebb set out through the channal, the former to the S.W., and thelatter to the sonthward.

All the islands above described, from Niapisca Island to the Parroquete, inolusive, cre bold, and free from danger on their north sides, so that Mingun Channel, whioh lies between them and the main, is safe throughout Monia, Isignd, lying on the mainland side of this channel, ia less than half a milo in diameter, and stands nearly opposite Niapisce Island, from which it is distant abont 21 mlles.
MOUTANGE ISLAND, $1 \frac{1}{2}$ miles wootwand of Moniae, is about 14 miles in diameter, and situated off a bay full of little isiets, and in which there are several emall rivers. Montange is directly opposite Quarry Inland, at the distance of $2 t$ miles. These islands, Moniac and Moutange, are distant three-quarters of a mile from the nearest point of the main; but the shoals within and between them are nearly dry at low witer. and Moutange 'do.not project above $\$$ cableie' length off to the southward of Moniac and Moutange Island, but there la rocky ground, with irregular soandlage between 4 and 10 fethoms, out to the distanios of a mile to the sonthward of them both; so that a vessel boating in the Mingan Channel hid better not stand over to the north10 weyd 14 miles from the northern shores of the onter islands, or into less than 10 fathome.
Samd Lark Rovf, 91 miles N:W. by W. of Moutange Island, 21 milee E.S.E. from Mingan Harbour filand, and rather more than a vile from the mainland, is small and low, but always above water. The shoal water does not extend off it above a oable's length, and there is a clear channel with deep water on'all sides of it; but there is a rooky patoh, with 5 fathoms of water, $1 \frac{1}{2}$ miles from it, on a line towarde the couth aide of Moutange Island. This ahoal water has not been closely examined, and uhould therofore be aroided.
Between the Inner Birch Island and Harbour Island, the Mingan Channel is $1 \frac{1}{2}$ milen wide, with rocky and irregular coundings, between 7 and 20 fathoms. The deepent water fi over towards Birch Ialand, where the bottom is generalls of sand, gravel, and ohells.
Between the Perroguets and Long Point, and aledibetween Mingan Ioland and the latter, the Mingen Channel is $2 t$ milea wida, and free from all danger, excepting a mandy ahoal extending off the shore, immediately to the weatward of Long Point, to

Inner Biroh thoms to the lds, and also
is the best les wide, and nd, is nearly - to ite west The shoal he S.W. and dand is bold ind with the the Mingan ore is a very $d$ the inlend. small ielets, surrounded oat numbers ve islota are ve a repfiof T. There is ohanniel bonmost islet matward and 00 fathoms, to and Minom 80 to 40 to the S.W., s , inolusive, nnel, whioh ing on the ande nearily $\ddagger$ miles in sveral emall tiles. These the neareat $t$ low miter. of Moniso iga between mboth ; so the northto lese than
:s.E. from - small and ro a oable's it there is a the south and thould
annel is $1 \frac{1}{3}$ oms. The Is of sand, nd and the ceopting a Point, to
within a mile of the Perroquets. There is often a great ripple of this shool, oansed by the flood tido being turned off by Long Point toward the 8.W. .This ohannel ntay be oonveniontly used, in goiug to Mingan Harbour with a northorly wind.

Long Point consists of sand, and there is a fine beach from thence to the eastward, as far as Mingan Harbour inolusive.
Minoax Harbove is the parrow but well-sheltered apace between Harbour Island and the mainland ; the latter is low, and has a fine sandy beach, while the islapd is of limeatone, about 100 feet in height; thickly-wooded, precipitous and bold towards the harbour, but shelving and shoal to the southward to the distance of a quartor of a mile from the shore. The length of the island is 2 miles, and its greateit breedth dbes not amount to half a mile.
The reefs off the east and woet ends of the island, and whioh are the priticipal things to guard against in entering the harbour, extend 240 fathoms out from the high-water mark.

The mainland reoedes from the island in the eastern part of the harbour, which would, in conjequence, be exposed to easterly winds, if it were not for a sandy shoel, dry at low wator, whioh extends 700 fathoms out from the entranoe of the Mingan River. This river is only oapable of admitting boats at high water, and its mouth is opposite the east ond of the island. The eastern entrance of the harbour, between the above sandy ehoal and the island, is 200 fathoms wide, the western ontrance between the mainland and the island is 170 fathoms wide, the whole breadth in both entrances being in deep wator: The space within, in whioh vessels may anchor in safety, is about a mile long by 270 fathoms wide, with plenty of water for the largest ships, over a bottom of fine sand.

Although these entrances are so narrow, there is little difficulty in taking a vessel in of the size of a sloop" of war, and large frigates have occasionally viaited the harbour.

To entor Mingan Harbour, observe the following direetions:-In approaching it from the eastward, bring the north or ininer side of Harbour Island to bear N.W., and the houses of the Hudson Bay Compriny's poit ought then to appear open fully their own breadth to the northward of the island. Steer for those houses so open, loaving the east end of the intind 150 fathoms to the southward, or on your left, and taking care to keep the south side of the sandy point of the maln; whioh forms the western entranoe of the harbour, ahut in behind the north side of the island; for when they are in one, you will be on shore on the aandy ahoal off Mingan Biver. After you have passed the east end of the island, run along its north side at the distance of a cable, and choose your berth, anywhere near the contre of the harbour, in from 0 to 18 fathoms, sand botiom.

When running for the harbour from the wealward, run in towards the sandy beach of the mainland at the distance of three-quartors of a mile to the westward of the ioland, until the zendy point of the mainland, whioh forins the weet end of the harbour, comen in ove with the face of the clay oliffs, to the eastrward of the Hudson Bay Company', bouses, bearing E. by S., or until you are in 11 fathoms wator. Rnn upon this mark, or course, along the besoh, and give the above sandy point of the mainland a berth of half a cable, as you pass into the harbour, and choose your borth as before directed

Mingan Harbour is perfeotly secure in all winds, and, like Eisquimaux Harboup;"it has this great advantage, that vessels can enter or leave if either with eastorly or westerly winds.
From Long Point, a broad beach of fine sand reashes to the River St. John ; outcide of which ahoal waterextends to the distance of threequarters of a mile.

## THE WEST AND SOUTH COASTS OF THE GULF.

OAPE GASPE TO POINT ESCUMINAO.
anpl ahaida is a remarkable headiand, of limestone, haviig on ite N.E. side a range of olfift, whioh'rise from the ceid to the height of 692 feet. Off the south-enat
extremity of the cape thare was till recontly a very remyrkable white rocly named the Flower-pot Rock, Ship's Head, or Old Woman. The base of this rook had been worn so muoh by the sotion of the sea, as at lest to capee its fall into deep water.

Off Cape Gaspe thore are eeveral rocky patches, frequented by the fishormen. They all lie in the same direction from Flower-pot Rock, 8.8.E. E. E. The first is a small patoh with 8 fathoms least wattor, the second hes. 16 fathoms, and the third 10 fathoms. Their distances from the rook are eeven-e\%ghths, $1 \frac{1}{\text {, and } 18 \text { miles respectively. }}$ There is deep weter and frregular soundinga between them, and the last-mactioned is on the bank of soundings lying off this coast.
At the distance of 71 miles, 8.s.W. 1 W. from Cape Gaspe, is situated Point Peter, forming the N.E. point of Mal Bay, and the south point of Gaspe Bay. It is of low sand-stone, and thiokly covered rith the white houses of the fishermen.
Flat Island lies about 400 fathoms o Point Peter, and is small, low, and of aandstone. Between the island and the point there is a clear channel, but no good anohorage: far although vessels occeasionelly anchor to the northward of the island, yet the ground is eo foul, that there is/great danger of losing an anohor from ita hooking the rocke. From Flat Island. to Cape Gappe, aenose the mouth of Gaspe Bay, the oourse is N.N.E. 77 miles.
GASPE BAY possesses adrantagen which may hereafter render it one of the moet important places, in a maritime poinl of view, in theee seas. It contains an exoollent outer roadstead, of Douglase Town; a harbour at its head, capable of ${ }^{\prime}$ holding a numerous fleet in perfeet safety; and a basin where the largest ohips might be hove down and refitted. The: course pp the bay, from Flat Island to the end of Sandybeach Point, whioh forms the h/rbour, is N. by W. $\frac{1}{2}$ W. rather more than 16 miles. From Point Petar the land riseg in undulations to the ohsin of mountains about 6 miles inland from the eoluth-western shore of the bay. The south-western shore of Gaspé Bay, from Ppint Poter to Douglas Town, a distance of 12 miles, precente a sucoenaion of precipitou betilands. Shoal water extende nearly a third of a mile from the oliffe, and remelis beating should beware of this, aince the water shonks too rapidly to allow of muah meming by the load.

In the N.E. side of the bey there is an anohorage, with good holding gronnd, but in not loes than 17 fathoms, except within a gaartor of 8 mile of the shorejabreint of St. George Cove, Grand Greve, and Little Gaspe. This side is bold, and free from danger in every part with the exception of the Seal Rocks, which are the only detached dangers in the bay. :

The Soal Rooke apo of milee within Oape Gaspé, one mile S.E. by S. from Oape Brule, and half a milo of shore. The length of this reef, from 3 fathoms to 8 fathoms, and in a direction parallel to the shore, is half a mile; and its broadth a quartar of a milo. The least wator is if feet, and there are 8 to 31 fathoma between it and the shore. When on the outer edge of the Seal Rooks, Cape Brule is in one with the next olify point up the bay, bearing N. $95^{\circ} \mathrm{W}$. by compass, and this only mark in sufficient for the enfety of vessele beating, for the rocks are out of the way with fair winde.

Douglas Towa is a village of fishermen and farmers, standing on the rising ground at the south nide of the entrance of the River St. John. The rondetemd of the town if extensive, and vescels may anchor in any part of it, and in any depth from 11 to 6 fathoms, over and and clay bottom; although the best borth is in 7 fathoms, with the entrance of the River St. John bearing N.W., by W. 14 milea. The course and distance from Cape Gaspe to this anohorage is N.W. by W. $\overline{7} \frac{1}{3}$ milem There is, however, 10 shelter from winds between S.E. by E. and S.S.E., which blows direotly into the bey, anit roll in $m$ hoery wwell. The riding is, neverthelese, much less heary on such oocesions than might be expected; and, as the ground is exdellent for holding, a reseol may safely anchor here during the summer monthe. Water may be obtained by asoending the River St. Johin to the ijlands, a distance of 2 miles. In the spring of the your, there are ofton 9. foet of water in the entrance of this. river, Fhich is betiveen two points of send; and there are 12 feet of water in the narriow channol for some diatance within. At the ialands the river becomes shallow and rapid. Two miles northward of Dougias is Cape Haldimand, a bluff point of diff, and the south-eastern termination of the range of hills which eoparates the harbour, bacin, and S.W. arm, from the valloy of the river St. John.

GABPE HARBOUR.-From the N.E. wide of Cape Haldimand, Sandy-benoh
ocks named the rock had been eap water.
hermen. They first is a small d the third 10 en reayeotively. t-mentioned is
situated Point pe Bay. It is hormen. ; and of sand, but no good of the island, nohor from ita outh of Gaspé

30 of the most us en excollent ' of holding a might bo hove end of Sandythan 16 miles. taina about 5 netern abore of es, precents a hird of a mile ter ahonis too
g ground, but ore; abrecet of and free from only detached fathoms to 18 its breadth a homs between cule is in one and this only t of the way
rising ground d of the town from 11 to 6 fathoms, with se course and Chero is, howdireotly into less heary on $t$ for holding, - may be ob2 miles. In of thia river, p. the nariow shallow and point of oliff, the barbour, Sendy -beeoh

Point runs out to the northward, and forms the Harbonr of Gaspe. It is a very low and narrot point of sand, convex to seaward, on whioh side the water deepens gradnally from high-water mark to the depth of 3 fathome, a distance of nearly half a mile: on the inside it is as bold as a wall. Thus this spit, apparently so fragile, becomes a natural dam or. breakwater, upon which the heavy ewell, which often rolle into the bay, can produoe no effect, expending its strength in the shoal water before reaching the rbaach. The water deepens immediately outaide of 8 fathoms, all along the outside of Sandy-beach Point, and also off its north extremity; so that it is both dangerous and difficult to beat in or out of the harbour at night; the lead giving little or no warning.
To the northward of Sandy-besch Point, at the distance of nearly a mile, is a low sandy peninsula, covered with spruce-trees, and with several whale-sheds near its west point. Between the shoal water in the bay to the south-bastward of the peninsula, and that which extonds from the extremity of Sandy-besch Point, is the narrowest part of the entrance to the harbour, which is 420 fathoms wide and upwards of 11 fathoms deep in mid-ohannel.
To run into the Harbour of Gaspé, attond to the following directions and remarks: -On the N.E. side of the N.W. arm there is a wooded point with low clay eliff, $2 \frac{1}{4}$ miles above the peninsula. This point appears as if it were fexe extreme on that side, when seen over the end of the peninsula from a vessel approsohing the ontrance of the harbour, and is named Point Panard. Now this point (eeen over She peninsula) in one with the inner or north side of the whale-sheds before-mentioned, is the mark for the northern extreme of the shoal off Sandy-beach Point. The extremity of the spruce-trees is as far within the whale-sheds as these last are from the sandy extremity of the peninsula. On the inner side of Sandy-beach
Point, and near to its junction with the mainland, stands a wooden windmill. Keep Point Panard in one with that extremity of the spruce-trees on the penineul bearing N. $47^{\circ} \mathrm{W}$., until the windmill, just mentioned, comes in one with the weet or inner side of the end of Sandy-beach Point, bearing S . $\frac{1}{2}$ W., when you may haul into the anchorage nuder the point, or steer for the basin. When beeting in, tack by the lead from the N.E. side of the bay, and in the board towards Sandy-beaoh Point, put the helm down the instant the marks for leediug in, just given, come in one.

At night, when neither Sandy-besch Point nor the peninsula oan be seen, it becomes rather a difficult affair to take a vessel into the harbour. The only guide then is the lead: sonndings should be first struok on the N.E. eide of the bay, about two mileg ontside of the ontrance of the harbour, and the edge of the aboal water on that side should be followed, in from 5 to 7 fathoms, until you judge, by the distance run, and the obange which takes place in the direction of the edge of the bank whioh you are running npon, that you are approaching the penibsula and have passed Gandy-beech Point, and can in consequence venture to haul to the southward into the anohorage. To form this jndgment aceurately is the difficult part of the procese, and as a failure in this would probably cause the loss of the vessel, if the usual heary awoll should be rolling into the bay with 8.E. winds, Captain Bayfield reoommonda a vescol rather to trust to her anchors off Douglas Town than to make the attempt. In the oase of a vessel loelng her anchors, the directions which have been given may prove of use. Within Sandy-beach Point, the shelter is oompleto from all winda ; the bottoin is mud, and the depth nowhere exceeds 11 fathoms.
Capt. Bayfield says:-"There are regular but weak streame of flood and ebb in the entrancos of the harbour and basin. In the bay the atroams of the tides are irregular, and are usually almont imperceptible, excepting near the ahores, and even there they are so weak as to be of little or no consequazice to a veasel.
The ourrent down the St. Lawrence rune atrongly paet Flower-pot Rook over towarde Flat Ioland, expecially in the ebb tide, whioh often incresses ite rate to 2 knots, and this ahould be romembered by vessele making the bay with a northerly wind. This current, when it meete the swell which so often provails from the south and S.E., enusien a high, ahort, and breaking soa, all along the conat from above Cape Rozier to Oape Gaspe, and extending aorose the entrance of Gappé Bay. When the wind is light, a vecsel beoomes quite unmanageablo in this sea, and it is extremely dangerous to be enght in it, close to the chore, by a light breeze on the land.
In fine summer weather there is ofton a mee-breeze blowing right up the bay from.
about $0_{i}$,.M. until sunset. At such times thare is generally a light land-breeze at night down the arms, whioh often extonds for several miles out into the bay. In the outor part of the buy, howeyf, it will generally be found to be calm, oven at times when a freah breeze is blowing outeide Cape Gaspe and Point Peter. 'I'he wind at see on such occasions is generally from the $\mathrm{S}, \mathrm{W}$."
MAL BAY.-Point Peter, es before mentioned, is the N.E. point of Mal Bay. This bay is between 5 and 6 miles wide, by 4 miles deep, and entirely open to the 8.E. A fine brond sandy beach extends right across the head of the bsy and incloses a shal: low lagoon, into which a oonsiderable river and several emall atreams disoharge their watere; this lagoon has ap outlet, named the Tiokle, in the N.W. corner of the bsy, shores of Mal Bey, but wa a hesvy sea and thick. There is anchorage all round the render it difficult for a vessel to beat out, it cannot be reprecodes a 8.E. gale, and open cove or small bay on the N.E. side, in which a vessel can beocasionally is an close to the shore; and in 8 fathoms water.

From Point Peter to Oape Despair the distance is $13 \frac{7}{3}$ miles, and between lies the Island of Bonaventure, having bold and perpendicular cliffs on all sides except the There is ahchorage shoal water extends to the distance of a quarter of a mile. riding is insecure and heavy in cons between the island and White Head; but the round the island. Between Bonsvequence of the swell, which, in bad weather, rolls westward, the channel is abont $1 \frac{1}{2}$ miles wide and free the Perce Rock to the north-

Within Bonaventure about $\frac{1}{2}$ miles wide and free from dsnger.
nearly dry at low water, is the Perce Re to the main, to which it is joined by a reef, it, one so large as to admit the passege of so named from having two large holesi in to be nearly inaccessible, and 288 feat higoata at high water. It is so precipitous as A reef runs out from the shore to the high, and at a distance sppears like a citadel. either side of which emall vessels occasionally and of the rock, about half a mile, on
The town of Peroe, behind the perforated rock, is inhe men, who have an excellent beach to iry their f, inhabited principally by the fisherMont Perce or Table Roulante, 1290 feet abore on. At the back of the town is the on the north side, where the pripices of red candstone from Whioh it rises abruptly are washed by the waves. At one mile to the southtone and limestone, 668 foet high, off whioh are 8 to 12 fathome.
cynsige max.-The N.E. point of the Bay of Ohalour, named Oape Despair, is of a moderate height, and has at rather more than $1 \frac{1}{4}$ miles 8.S. E. from it;'the Leander Shoal, which is rocky, but with a clear passage between it and the cape. It is about a quarter of a mile in diameter, and has 16 feet least water on one apot, whioh, however, it is difficult to find. The line of the White Head, in one with the inner or N.W. end of Period Rock, passes just outside of the shoal, in 7 fathoms ; therefore the whole of Peroe Rock, well open to the eastrard of the White Heaid, will leed clear outaide of all. From a half to the whole of the Peroé Rock, shut in behind the White, Head, will lead between the Leander Shoal and Cape Despair.
Chaleur Bay is 25 miles wide at the entrauce, between Cape Despair and the north part of Misoou Island, with a depth in mid-channel of about 40 fathoms. It is in gendral easy of navigation, a frequent use of the load giving good warning of an approach to the shoala. The tides are regular, and have but little velocity, excepting at the entrance, where tbey are so irregular that but small dependence can be placed on them. Inside the bay the dense foge so prevalent in the Gulf are seldom met with ; the climate is also much milder.
The North Shore.-From Cape Despair the coast trends to the westward 7 miles to Grand River, with ite shallow bar, outside of. whioh to the westward there is a shoal running half a mile from the gosat. Beyond this, at the distance of 4 miles, is Little Pabdu, and at about the same distance farther to the westward is Grand Pabou, both of which are small fishing-pleces. At 31 miles farther is another small fishing.place named Newport, off which amall vessels, occasionally anohor under shelter of a shoal. To the south-west of this plece, distant 6 miles, is Point Maquerean, bold-to and dart ooloured, rising to the height of 200 feet, and povered with treds at the top; outside the point are 40 to 50 fathoms.

A few miles to the westward of Point Mequereau is an extensive bay named Port Daniel, where supplies both of wood and water oan be obtainod. At the head of the
ezo at night n the outer nes when a sea on suoh

Bay. This 0 the S.E. sses a shal:harge their of the bay, 1 round the - gale, and Chere is an uly moored

en lies the except the of a mile. ; but the ther, rolls the north-
by reef, holesi in sipitous as a citadel. mile, on the fisherwn is the abruptly feet high, ite Head,

Despair, Leander 8 about a however, N.W. end whole of utside of to, Head,
ee north It is in ig of an coepting e pleoed om met 1 I -place eshoal. nd dark side the ed Port of the
bay is the ontlot of a emall river, near which are the houses of the fishermen, The wost point of the bay has a detached rock off it. Port Daniel /s exposed to the S.E., and winds from that quarter roll in a heavy awoll. This port may bo easily reoognizod by a high hill, one mile to the westward of the harbour, the summit of whioh is $\mathbf{4 0 0}$ foot above the sea; it is the highest land on this part of the coast, and often appearn like an island.

From Port Daniel the coast runs 9 miles to Nouvelle River, a place of no moment, and $6 \frac{1}{4}$ miles from this is Paspebiac, off which is an excellent roadstead. The point is low, being composed of sand and shingle, and inoloses a small lagoon. The town is considerable, although straggling along the coast; and there is an English and Roman Citholio Church. On the weat side of the point are a number of fishing-huts, and the extonsive white buildings belonging to the fiehing-establishment of Messrs. Robins and Co., of Jersey; on this side of the point is also the roadstead, in which vessels lie sheltered from S.E., round north, to West, although open to southerly winds. Jersey vessels lie moored here all the season, on excellent holding-ground. A sandy spit runs out sonth-westward, nearly half \& mile from the point, and affords some sheltor to'the roadstead. The best berth to anohor ic in 6 fathoms, clny, with the sandy point S.E., and Robins' flagstaff Esst.

In rounding Paspebiso. Point finom the gastward, keep Daniel HiH open to the southward of Nouvelle Point until the Roman Catholio Church opens to the westward of
 Carlisle Point, until Robins flagstaf (at his northernmost large, white store) and the above-mentioned ohurch come in one N.E. $\frac{1}{2}$ N.; when you may heul in for the anchorage by your lead, taking oare to give the spit a berth in going in.

Carlisle Town is $8 \frac{1}{2}$ miles to the westward of Paspebieo, and is rendered conspicuous by the jail and court-house, whioh can be seen from the anohorage. The point is covered with wood, and assists in sheltering the roadstend of Paspebieo from the westward.

Five miles to the westward of Carlisle is Bonaventure Point, formed by a low red saudstone oliff, off which a-rocky shoal extends to the wentward fully a milo, and continues along the const to Red Point, a distance of about 8 miles. Here vessels may anchor, sheltered from the enetward, riding in 6 or 7 fachoms, with the point boaring S.E. $\frac{1}{2}$ S., the ohurch N.E. $\frac{1}{2}$ E., and the entrance of the river E. $\frac{1}{8}$ N., 18 miles. From the extremity of the point the coast trends to the northward 2 or 3 miles to the river of the same name, which is too shallow to bo of any use to navigation; and 10 miles farther is another amall stream named the Caplin, off the ontrance to which therse is a reef.

From hence the cosst runs to the northward 10 miles, and then trends to the southwestward a similar distanco to Oarleton, forming the bay of Cascapediac. At the head of this bay is a stream, arailable only for boats in consequence of the fiats which extond out 2 miles from the entrance; to the eastward of thin is the village of Richmond, having anchorage before it, in 8 fathoms, with the ohurch bearing N.E. $\frac{7}{4}$ E., and Bleck Point, the east point of the bay, 8.E. $\frac{1}{4}$ S.; but you may anchor farther out in $\delta$ or 6 fathoms, ulthough not no woll sheltered. Whon approsebing Riehmond from the eastward, in order to avoid the shoal that stretches off to the weatward 14 miles from Indian Point, keep Red Point well open of Blaek Point 8.E. \& E., and approach no nearer than 4 or $\delta$ fathome, until the ohurch bears N.E. by E., when you may steer for it, and anehor as before.

On the weitern side of the bay are extensive efttlemente, at the beck of whioh are some lofty hills, oonspicuous at a great distance, the highest of which, Mount Carletom, is estimated to be 1830 foet high.

Truoadigash or Carleton Point, the west point of Oescapedico Bay, is low and inoloses a ahallow lagoon, which admits small oraft at high water. On the north aide of this lagoon is the rillage of Oarleton, behind whioh are the Oarloton Mountains. Of the point a spit runs half a mile, which oan be oloared by keepling in 10 or 9 fathome, or by bringing Mount Dalhousie just open of Point Magueoha, bearing about W.N.W. IT W. To the womtwand of this spit there is good anohorage in 51 fathoms; mud, with the point bearing S. by E. $\frac{1}{2}$ E.; Garleton Ohuroh E. by S.; and the watoring place N. by W. 1 W.: hore you will lie, little affeoted by the tides.

From Oarleton Point the const trendes round to the westward 7 miles to Maguecha Point, whioh is componed of red sandetond cliffe, and has a reef running off it about a
mile to the weetward. Between, in the northern corner of the bay formed by the two headlends, is an extensive lagoon, nearly dry at low water, into which the New Biver falls. Outside this' basin the water deepens to 21 fathomg'st the distance of a mile. Maguacha Point forms"the northern, fand Dalhousie Point the southern side of the entrance to the River Ristigouche, whioh is a brotd estuaty running some miles into
DALHO
timber. Off the town is aUR is frequented pracipally vibs vesels loading with named Dalhousie Island, which is oonneoted to the shore isyand, 2 cables in length, water; and to the westward of thie ofta short distance by a shoal drying at low connected to the shore by a sendy spit. Betweer ithece, |there is another islet, also shore, and it is along the edge of this that the these jalets a sandy striand joins the年essels anchor in 6 and fathoms Off the island, on the north sid least water on it. Its eastern oide is barbour, is the Middle Ground, baving 6 feet eastorn extremity. The channol betwe very steep, and a buy marke its north: Canadian shore to the north-eaistward, is about part. of the Middle Ground and the depth of 12 to 15 fathoms ; ;heare the tide runs about 2 quarters of a mile wido, with a housie is very much sheltered from the northward by this shoal. The harbout of Dal-
When making Dalhousie you may do so either from the seast.
and the Middle Ground, or by runaing round to the northeastward between the island from the north-westward. In thic latter course there is mard of that ahoal, enter it have to ćross a flat of 3 fathoms water; the other there is muioh more room, but you with adepth of 8 fathoms, and is quite safe. To run for the harbour, and being 6 mil by W., 34 miles, which will bring you midway bet from Carlisle Point, stear N:W. and Tracadigash Point; in this run mianay betweon the east poipt of Horon Island 12 fathoms. Off Heron Island a bank runs out simen your water from 35 to 10 and by briuging the highest summit of the Sexumenac Mountaine or, which you may olear Island; and you may also olear the spit running from Tracadigush Point by hringing Mount Dalhousie just open of Point Maguache, bearing about W.N.W. By bringing this position (midway between Heron Island and Tracatigesh Point) steer about Wan.W. towards Dalhousie Mountain, and whon near Maguacha Point avoid the reef ranning from it, by bringing the highest part of the Scaumenac Mountains open to 9 or 8 fathoms, when the Benam; continue sailing on this mark until you got into Haul now to the northward Bonami Rocke will bear about \$,W., distant half a mile. the western point of New Brumping in the same depth of water, until Lalime Point, the ialbts and rocks. westward of it, comes just open north of Dalhousie Jsland and on, and enter the herboar, heing oareful not to about W. by N. Steer with this mark 100 fathoms ; when in the harbour you may anchor in 6 or 8 filand nearer than 00 or
To enter the harbour by the westarn and more roomy pasethoms.
W. by N. for Point Lalime, stoer to the N.E. until yougenge, instead of ateering Canadien shore, in whioh depth you must continue you get into 8 fethoms on the Dalhousie Chureh bears.S.W. by S., when it will open to the to the westward until Then steer to the weatward direotly up the eetury until the westward of the island. when ypu must ateer for it, taking care not to bring it to the wehurch bears 8. by W., and crossing a 8 -fathom flat, you will enter the harbour whetward of that bearing, before.
ARIVER RISTIGOUCHE.-From Dalhousie the river runs up aboutt12 miles to Campbell town, and is navigable for large vessels to within 4 miles $6 f$ that place, when the channel becomes both narrow and intricato. At ite entranoes just opposite Dalhousie, is Fleurant Point, off which is a very conveniens anchorage, in 6 or 7 fathoms, for vessala visiting the river for supplies of wood or watar': it is easy of zocease and afforde facilities for getting under weigh, in all winde and at all times of tide. Haff a mile meatryard of the point is a brook of exceljent watot, and a little farthen westward is dongerous reef named the Mussel Beqpip, which oxtende nenrly
Campbell-town is situated at the foot of a lofty hill nemed the Sugar Loaf, entimatod to be 950 feet higki. Here it is high water at 44 , with a riso at apring tiden of 9 or 10 feet, and at neaps of 7 feet water. When the tide is up remela
ed by the two he New River ace of a mile. $a$ side of the me miles inte les in length, rying at low er ialet, also and joins the nd fathoms baving 6 feet k its north ${ }^{-1}$ und and the wide, with a bour of Dal-
on the island coal, enter it om, but you length wide,
steer N:W. Ieron Island 35 to 10 and u may olear of Dhousie by bringing W. From steer about void the reef ins open to ou get into half a mile. Jime Point, Jeland and b this mark than 50 or of atcering oms on the tward until the island. s. by W., at bearing, anchor as 12 miles to that place, at opposite in 6 or 7 is enasy of 11 times of ad e little ada nearly
gar Loaf, at apring up romela
draving about 20 foot water can ascond the river ass far as the town, off. whioh they may lie aflont at low. wator. Small oraf may acoend otill farther up.

The South Shore.-From Dalhousie the const runs to the enatward about it miles to - Boiami Point, off which are somie high nitbep rocke, with no passage betwoen them and the shore. Hence to the smell River Cario the distance is $4 \frac{7}{4}$ miles, with a shallow lagoon, about half-way between, named the Eel River; and three miles farther is Heron Island, whioh is 4 miles long and of moderate height. Between the island and the shore there is a ohannel of 8 to 5 fathoms at low water, in whioh is good anchorage, but it is narrow and contrected by the ehoal water on either side; near the eastern part of the ohannel, and directly in the middle, is the Heron Rock, a danger of only 6 feet water, with 4 to 5 fathgms all round it. It is recommended always to take a pilot as the navigation is vory intrioste;

Three miles from Heron Island is the entrance of the River Nash, resorted to by vessels for timber, which moor outside in 4 fathoms, muddy bottom, with the eact point of Heron Island bearing N. by W., 2l miles, and Black Point N.W. one mile. In this position they are much exposed to easterly winds, but the ground being good, they are onabled to ride in safety during the summer months. About $8 \frac{1}{4}$ miles 8.E. from Heron Island and $1 \frac{1}{4}$ miles off shore, there is a rocky ledge upon which not less than 4 fathoms was found, yet there- may be less water: From hence to Belleduns Point the distance is about 9 miles, when the coast turns to the southward, a distance of 16 milos, to the entrance of Bathurst Harbour, at the head of Nipisighit Bay; in this last distanco the only objects of particular remark are the ohuroh and village of Rochette situatod abont half-way. The whole of this cosat is low and moderately olear, and may be approachod by the lead, but a large vessel is recommiended not to get into a less depth than 10 fathoms.

BATHURST HARBOUR is about 2 oables' longth in width, between Oarron and Alston Points, which are of sand, with stores and other buildings upon them. There are two beacons on Carron Point, on the S.E. side, whioh, when kept in one, bearing 8.W. $\frac{1}{\text { S., lead } \cdot \text { in through the narrow ohannel over the bar, in } 7 \text { feet at low water, }}$ and 14 at high wator, spring-tides. From 3 fathoms outside the bar to the ontranoe of the river is $1 \frac{1}{3}$ milei, very narrow the whole distance, and between sandy shoais, nearly dry at low water. Between the sandy pointe, or just outside in 8 or 4 fathoms, vessels generally moor to take in timber. It is high wator at Bathirrtt Harbour at. 3h. 16 m. ; springtides rise 7 foet, neaps 4.

The Town of Bathurst is well altuated 论 miles within the entrance, and at the head of the busin. A depth of 14 feet at high wator cain bo oarried up to the wharves of the town, and vessols may lio in 14 feet at low water, in some parts of the channel; here the tide runs from $1 \frac{1}{2}$ to 2 knots, and sets fairly in and out over the bar, which should never be crossed withouts.s pilot; they are always on the look-out for veseels. The bar bears from Paspebicic Point, on the Canadian shore, S.W. by W. I W., distant 8 leagues.

Some few vessele load inside the bar, but the usual place of anotorage is just outside in 6 or 7 fathoma, maddy bottom, where there is safe riding in the summer monthe, but exposed to N.E. gales, which are attonded with a heary sea.

From Bethurat Harbour the conat runs so the north-eastward to Point Mizsenetto, 5 distanteo of 20 miles, mad is clear, with the exception of a 8 -fathom shoal, threoquartirs of a mile from the shore, abont 9 milee from Bathurat ; it may in general bo approiohed to the depth of 10 fathoms, which is near enough in the night-time. Eaatward of Mizsenetto Point the shoal water extends half a mile out.

CARAQUETTE HARBOUR.-After pafsing Mizzenette Point the coast line falls bachriand is hordered by several islands and dangerous shoals, within which there is an exollent harbour affording safe anohorage in from 4 to 2$\}$ fathoms.
Nearly 8 miles E.S.E. of Point Mizsenette is Oaraquette Island, which is low and wooded, and $1 \frac{1}{4}$ miles long in a direotion neurly parallel to the coast. Sandy pointa oxtend from both onds of the island towards the maiuland, or to the eouthward, so as to form a bay, in whioh there is a porfectly land-locked anohorage for vessele not drawing more than 15 feet- There is no pasage for shippling between the island and Point Mizzanotle, but orify a very nerrow ohanal for boats on the side next the ieland. The island etands on an oztensive bank of flat sandstone, partially oovered with cand, and which, commencing at Point Mizzenotto, oxtonds to the oastrand parallel to the comet all the way to the entrance of Shippigan Sound, a dirtanco of 8 or 9 mile.

Caraquette Shoal extende 43 miles to the eastwand of the ialand, from whiob it driee ont occasionally in very low tides to the distance of 2 miles, and is very shallow in every part. Irom its east end, Caraquette steeplo fears'W. ${ }^{\prime}$ S., and in one with the extreme of the trees on Caraquette Island; and Shippigan steopie, South, in one with Pokesuedie Point. This lattor bearing clears the shool to the eastward in 3 fatioms硣 low water; but a large ship must feop Point Pokesuedie bearing S. by W. $\frac{7}{4}$ W., and in one with Point Marcello.

Mizzenette Ledge of Rocks, with 5 feet least water, bears N.N.W. $1 \frac{1}{4}$ milea, from the west end of Caraquette Island, and will be cleared to the northward, in 31 fathoms, by. N.W. क. W. Donax Point just open to the northward of Point Mizzenetto, bearing of the Caraquette Shoal until they alrike to the eastward along the northern edge water over a rooky bottom: When on this patch, Caraquette Chureh steeple and the N.W. end of Caraquette Isiand are in one, and the S.E. end of the islend will bear
S. S.S.W. W. W., distant 2 milloe.

The Fisherman Ledge is a detached bed of rocke, with 10 feet least water, iying to the northwatd of the Caraquette Bank, and separated from it by Fisherman Channel, whioh is a mile wide and from $4 \% \mathrm{y}$ fathoms deep. This ledge, lying more in the direction, and third of ar in the Bay of Chalour, is 14 miles long in, an E. 18. edge of thirlodge is distant 8 miles from 8 fathoms to 8 fathoma. The northern onds bear N.N.E. from the coirresponding points of the island. The points of oliff at Great Anse and Dónax Point in one, bearing W. by N., iead through Fisherman Channel ; it oannot, however, bo recommended to large vessels.
Pokesuedie Shoal is an extensive flat of annd extending 2 miles to the northward and eastward from Pehpsuodie Island, and has only 6 or 7 feot water over the greater part of it. Caraquette ateaple and the sandy S.E. extreme of Caraquette Inland in one, bearing W. $\ddagger 8$., lead over it north point in 2 fathoms at iow water; and if the stoeple be Rept half-way between the extreme of the sandy point, and the extreme of the trees on the same island, the north point of the shoal will be oieared in 41 fathoms.
Pokesuedie and Oaraquette ehosle for about harbour of Caraquette lies betwreen the Pokesurdio and Oaraquette shosle for about 21 miles, and has wator eviough for the and without sufficient leading marks: 220 fathoms wide between very steop ahoals, diffoultt. The harbour commences immediatel navigation is attendod with some suedie Itiand, and extonds weetward between the within, or to to weatrard of PokeIsland. Caraquette Churoh stande conspicuously on a ridge nearraquetto Shoal and Mizzenette, and the fish-stores and houses of Iously. on a ridge nearly opposite to Point island. There are 6 and 6 fathoms in the eastern Caraquette neariy opposite to the vithin Pokesuedio, and there are notiess than 81 f part of the harbour immediately B.E. point of the island.

Between the island and the main, the ohannel is only 120 fathoms wide and 21 deep; but farther weatward it inoreases to a quarter of a mile wide and 41 fathoms doep, and is there eheltered by the Mizzonette Sander of a mileh dry at low water neariy across to the island. The bottom is sandy in the entrance of Caraquette Chanmel, and of mud within the harbour. Although this harbour is excoilent for merchanta, pilot. The tides rige from oxocedingly dangerous to ettempt to ran for it without hour.

SHIPPIGAN SOOND.-This extensive place is formed by Pokesuedie Ioland and the mainland on the west, and by Shippigan Island on the east. Simon Inlet, whioh is the best herbour in the Sound, is situated on the western side within Pokesuedie Alemd: here Jou can lie landlocked in water deep enough for large ships. The baje of most to the south Ard, and is on the opposito or Shippigan side. Alemek Bay lies A bar of mud and sand oitends axcellont harbour containing 8 and 4 fathoms watar. carried into Alemok Bay to $2 \frac{1}{1}$ fathomes, and into Shiphigan Herboupth that cian'bo at low water. On the south side of the bay stand the pigan Harbour to 21 fathoms and off them is the harbour of 8hippigan, 2 name onurch mad village of 8hippigat, water lying between shoals of mud and con, a narrow obannel with 24 to 4 fathomi channol continuee $2 \frac{1}{2}$ miles boyond the olurch, noarly dry at low watar. This narrow a $\quad$ at Shippigan Gully,

## CAPE GASPE TO POINIT ESOUMINAC.

the southern entrapoe of the Sound, which If used by shallops and fishing-boits. In Shippigan Gully the tide is generally very rapid, and there is often a heary surf on its bar of sand, which partly dries at low wetof, leaving a channel only 4 or 6 feet deep. The harbour of Shippigan is perfectly seouire In all winds, and it is, there that the greater part of the vessels which have recently visited this place for timber lie moored. At a short distance to the westward of the ohuroh is the watering-plece at amall stream in Besse Bay.
The channel leading from Shippigan Flats to the church is 9 miles in length, with deep water, but it is narrow and ofooked, withoat leading marks; and some of the banks are very steop, so that an experienced pilot is absolutely 'neoessary to navigate a large vessel into this hatbour with safety. In. Shippigan Harbour it is high water F. and C., at 3h. 42m. ; ; ppring tides rise 61 or 6 feet, neaps 3 feet. In the channel the rate seldom exceeds a knot. The atream is regular in fine weather, running in at the Gully, to the northward, through the Sound, into the Bay of Chaleur, from about half-ebb to half-flood by the shore, and in the reverse direction, or to the southward, from about half-flood to half-ebb.
A flat extends $2 \frac{1}{2}$ miles off the porth side of Shippigan Island, and is the most northern of the Shippigan Shoals. It condists of sandstone, thinly and partially covered with said, and has on somb parts only 6 feet of water- There is good warning by the lead all along its northern side, which may be safely approached to 6 fathoms in a large ship, and to 8 fathoms in a small vessel. This flat eeparates the channel leading to the harbours of Caraquette and Shippigan from that whioh leads into Misoon Harbour.

MISCOU HARBOUR, between Miscou and Shippigan ${ }^{\text {Ts }}$ Islends, lies just within the sandy spit at the S.W. extreme of Miscon, where there are from 4 to 6 fathoms, for upwards of a mile in length; and 2 cables' length wide. Tits forms the harbour for large vessels; but the harbour for small craft is still more extensive, there being a considerably greater breadth with 2 and $2 \frac{1}{2}$ fathome water, and also a narrow obanniel extending esstrard through the fiste of mud and weods to within aumile of Miscou Gully, whioh boats oan ohly enter at high water. Within the harbour the bottom is soft mud ; in the ohannel, just outside the entrance, sand; and, between the shoals farther out, sandstone. This place is much frequented by the Americar fishermen, Who are good pilote for it. the Miscou Channel, leading to the harbour, between Shippigan Flat and the Shippigan Shoals, on the S.W.; and the Miscou Flats on the N.E., is only 170 fathoms wide in one part, between shoals 80 steep that the lead affords not the slightest warning. Only small vessele should attempt this harbonr without having first buoyed the channel, or secured the agsistance of a good pilot. It is high water $\mathcal{F}$. and O .; at 8 h .30 m . ; spring tides rise $\overline{\mathrm{S}}$ feet, neaps 8 feet.

At fully 47 miles off to the N.W. of the S.W. point of Miscou, is the $\delta$-fathom edge of the Miscou Flate, and at 2t milee from the same point there are not more than 8 fathoms. These fats, of sandstone, extend 4 or 5 miles to the N.E. of thè harbour $;$ and towards their northern termination there is an opening in the trees which extends across the island, and which has been mistaken by vessels, at nightor in fogey weather, either for the harbour or the Gully, socording as they were weat or east of the island. The remainder of the shore is tolerably bold, with stoep/sandy boaches surrounding the north end of Miscou Island, where the hfits and stores of fishermen will be seen along the shore. The north point of Miscou Island is distigguished by a green ppound, or grassy sand-hill, and the shallow water does not extend more than one-third of a mile off shore; but to the eastward, opposite a small lagoon, where there are sereral huts and fishing-atores, shallow water, to 8 fathoms, stretches off atmile north-eastivard, and to 5 fathoms 2$\rangle$ miles in the same direction. At 14 milos to the south-esatward of the north point is Birch Point, whioh is a steep cliff of sandstone dbont 10 feat high, and mey easily be reoognized by the white birch-trees, whioh are higher there than in any other parts near the shore. A reef of stones and sand extende halr a mile out from the shore. The shoal off the north point may be avoided either by day or night, by the soundings on the chart. Very good anohorage may be obtained on either side of it; under the north point in from 6 to 10 fathoms, with southerly winds, and of Birch Point, $\ln$ 'from $88^{\prime}$ to 6 fathoms, with westorly winds- the bottom being of Eand, whioh holds sufficiently woll for offeshore winds.
The Micooi Banks oxtrind about in miles to the eastrard of Misoon, and the soundins upon thom vill fully direot a vemol appronohing this part of the oonct. The
fathoms ter nearly Channel, nerchantt without knot per
land and let, which okesuedie je bajs of Bay liee ma water. it cantbo fathoms uippigan. fathome narrow
a Gully,
ehroalost part of the banke are gn an east line of beatiog from Biroh Point, whereon, for the first 6 miles off ehore, there are only from 54 to 7 fathoms on a rocky bottom; after which the water deepeus rapidly, there being from 12 to 17 fathoms with red sand, rook, and shelia for the next $\theta$ miles, at the ond of which if deepens to 20 fathomi; $\gamma$
miles farther, with depthe between 20 and 80 fathoms over red and broken coral, brings us to the edig 30 fathoms, over red sand, gravel, shells, to about 40 fathoms, and the soundinge of the bank, where the depthinoreases rapidly banks, in 30 fathoms, is 7 or 8 miles to thange to mud. The nortiarn edge of the Point, and passes the north point of Miscou at the Bay of Chaleur, thus affordiog excellent gridanoe to vessels. These banks, into the to extend off the const to the southward, but with verose regular soundings, and a greater general depth than in the part to which the name of the Misoou Banks has boen applied.'
The Coast Southwards.-From the east side of Miscou Ieland to the Ilghthouse on Point, Escuminac theroourse in 8.W.-by S., and the distance from the north point of Misoou to the same object is 58 , miles. The coast between is low and wooded, with cand-bars and beaches, inclosing several legoons, the entranoes to which, called Gullfos, have ahifting bare before them. They all afford shelter for boats; but in the wholedde tance there is not any harbour for shipping until we arrive at Miramichi. The oof may be safely approached to 10 fathoms in the night-time, and to 6 or 5 fathoifitid the day-time, as there are no deteched shoals during this courso, though in afveral places shoal water extende to a considerable distance, as at Wilson Point, oncocthe east side of Mlsoou Island, where a sandy shoal extends a mile out to 8 fathoms, and f
l fathoms at low water. Again, the shoal water extends two a mile off Misoou Gully, 7 miles to the and 4 or 5 miles farther to the south the southward of the north point of Miscou; Island, there are rocky patches with little more than 2 fantone.oliffs of Shippigan Dearly a mile off shore. Still farther to the southeard ang npon them, and Island, and 6 miles to the northrther to the southward, along. the coast of Shippigan at nearly the same distance from the shore. morasercyer max,-The north poiht
low and swampy, with ateep aud beck point of the bay is Point Hilliland, which is bars, there is a boat communióation beteren banks. Round it and within the sandy and the inner Bay of Miramichi: - between Tabisintac Lagoon to the northward

The outer bay is about 14 mile
the lighthouse on Point Escuminac from the sand-bars off Point Blackland to mouth to the main entrance of the innern 65 miles deep from that line acrose its onter and inner bays are separated by bay, between Portage and Fox Islands. The three small passages and onie main or ship channel sandy islete, between which aye
The northernmost of these islands is named Ne. with several sand-bare lying off Point Bleckland, fogowa Band-Bar, Which, together W.S.W. from Tabisintec Gully. Between Nand, form the shore for 4 miles to the S.W. is a gully 280 fathome wide, and. 8 fathoms deap. but a and s small one to the ohangeable character lies off it nearly a mile to the S.S.E., and had sbout of ueual it at low water at the time of Captlin Bayfield's survey. There is a very narrow ohannel within the gully, leading westivard úp the inner bay, but it is ouly fit for boats. Between Negowac Gully and Portage Island; a distance of 18 miles to the S . W., there are esevernl shoals which dry nearly at low water.

Portage Ieland is 4 miles long in a S.W.by S. direction, and the channel between it and Fox Island is $1 \frac{1}{2}$ miles wide. Fox Island is 3 miles long, in a S.S.E. direction; and between it and Huckleberry Ieland is Fox Gully, which is 150 fathoms wide at high tide, and has from 2 to 21 fathome water, but there is a bar outside, with only 7 feet on it at low water. Huckleberry Island is about a miles long in a S.E. direction ; and between it and the mainland is Huckleberry Gully, 200 fathoms wide, but not so deep as Fox Gully. Both Fox and Huokleberry Gullies are only fit for boats or very emall craft:' At rather more than a mile from Huokleberry. Gully, towards Point Esoumineo, stands the South Beacon, whioh is large and white, and has a whito-roofed barn behind it; and for 2 miles along the shore, to the eastward of the south benoon, there are housee, where some of whe pilots reside. Paint Escu-


## OAPE GASPE TO POINT ESCUMLNAC.

Roof is very dangerous, te it rans off fully 2 miles to the N.E. to the 8 -fathom mark. and noarly $2 \$$ milee to $b$ fathome. At night come no noarer than 10 fathome.
To the eastward of theoe ielande the shellow wator rung off to a conaiderable distance. From the north-ehat end of Nogowas Sand-Bar, in a. S.W. direotion, to the middio of Portage Island, a distance of $\mathbf{\theta}$ miles, the shallows ruu of about' 17 miles ; from thence they run in a 8.E. by 8. direotion, 6 miles, to the entrance of the Ship Ohannel; in the lattor diatance the ahonle run off fully 8 miles from. Fox's Ialand and the mouth part of Portago Ialand. An extensive flat alco borders the couth side of the bay, from Huckleberry Island to the piltoh of Escuminac Reof, and in its omatorn part, for fully 8 miles, extende 2 milos from the shore; but when you approwh the pilots houses and the south besoon, you may appromoh within a mile of the shore. You oannot epprosch the land so near in any other part of the bay se off the south beacon.

Upon the bar of Miramiohi there is only a foot or two of water in some, pleces at low spring-tides; but there is water onough for smak vessels near Portago Ishand, and there is a still deepor part near ite 8. E. ond. The S.E. extreme of this bar will be cleared by keeping the ohuroh at Frenoh Village in the centre of Fox Guily, bearing W. 8 . A blaok buoy is moored at the 8:W. oxtreme of the bar, in 8 fathoms at low water, and muat be left on the starboard hand going in; and about a mile N.N.W. from this black buoy there is a red buoy moored in the same dopth of water on the Lump (a shoal with 2 fathoms least water on the west aido of the channel), and which must be left on the port hand going in. Within this red buoy the channel is oloar and straight, about 600 fathoma wide, and from $i$ to 7 fathoms deep, running in a N.W. $\frac{1}{4}$ N. direction for 8 miles, until you arrive at the Spit bnoy, whioh is ulso a red buoy, and must also be left on the port hand going in.
On the north point of Fox Island two amall beeoone will be seen on the sand-hille, the one red and the other white: these kopt in one, and bearing 8.E. $\frac{1}{4}$ E. lead in the, deepest water, ofrom 24 to $2 \frac{1}{1}$ fathoms, to the outer red buoy of the Horso-shoe.
The Horso-shoe Shoal is 8 miles loag north aud south, and 24 miles wide. It consists of aend and gravel, with 8 feet foeset water, and not more than 6 feet over many parts of it. Ite north-eate extreme is nearly joined to the shosle of Portage Island, there being only a narrow and intricate ohannel left whioh is never used. Good anohorage may be prosured in 4 or 5 fathoms water between the. Horse-shoe and the south end of Portage, where vesselo, drawiug too muoh water to oross the inner bat, may safely anohor during the summer months. The Horse-shoe Shoal is separated from the ahoal whioh oonneots Fox, Egg, and Vin Islands, by the very narrow ship channel, which in one part is only 180 fathome wide, and 27 fathoms doep. This is named the Hore-shoo Bar, or Inner Ber, ovor which are 18 feet water in ordinary spring-tides. The wouth aide of the Horse-shoe is marked by buoys; which muat be all left to the northward, the beft wator being within the distance of half a oable from them. The 8.E. point of the Hproeshoe extende 350 fathoms farther out to the east-: ward than ite outor red buoy; and thore is besides a patoh, or monnd of sand and gravel, with only 10 feet water, ling off the S.E. point of the Horewthoe to the S.E.; $s 0$ as to naprow the navigable ohamael between it and Fox Idland to a third of a mile. The two mall beacons on the north point of Fox Ieland are ubeful in enabling vessels to aroid that mound, which renders the passage of the Hormeahoe Bar to diffioult for a large ressol.

The Bar of Miramiohi ahould nevor be attempted by a largo vessel, or by persons not properly acquaiuted with it, without a pilot. The Miramiohi pilots will generally be found oruising about off Point Escuminao, in amall ichooners; but ahould you not meiet with a pilot off Point Escuminac, and it is too late in the day to oross the bar before dark, you should stand off and on till day-light, and not shoal your water to loest than 18 fathome, particularly with the wind from the eastward.
MIRAMIOHII is a plaoe of great trade, and a froe warehousing port; and the different towns on its banks are rising in importunce. Large quanticies of timber are annually shipped here; and the salmon and Gasperenur fisheriee aro also carried on in their season. The four principal towns are Chatham, Douglistown, Neweastlos and Nolsontown.

Ohatham, the prinoipal townon tho Miramiohl, and oontaining, at a rough estimate, about 1500 inhabitantr, lies about 17 milot to the weatward of the Horse-shoe Baxy,
 clowe to the wharres. It is alstraggling but repidly increanging town, having mome

## 122

 POINT ESCUMINAC TO THE GUT OF CANSO.good houces, and an English Episcopalian; a Preabyterian, and a Roman Oatholio ohuroh, beendee two other chapelis or pisces of worthip belonging to the Wealeyand and Antiburghers. These buildings are all of wood, neatly painted and finished, and together with the atomm saw and grint mille of the Mecors. Ounard form the most remarkable objeots.

Douglantown is on the north shore, abont $1:$ miles above Chatham, and oontains about 400 inhabitants. It is prottily situated on, a rising ground, and has suffioiont water at its wharves for thelargeot ahips. The Marina Hospital, built of stone, is the mont remarkible building. The ship-building establishment of Mr. Abram is $1+$ miles above Douglantown, on the same side of the river; and, oppocite to it on the "Bouth shore in the Engriich Episoopalian Churoh of St. Rpul.
Nowonatle, 11 miles farther up they, fiver, and on the north shore, is, the oounty town, containing the Court-house and Jail, a Preabyterian chureh, a Wesleyan ohapel, and some other good buildingw. It is pleasaatly situated and contains about 1000 inhabitants. Here are 8 or 7 fatioms water close to the wharves of the town.
Nelsontown is the last viliage: it is a straggling place, with 200 or 800 inhabitants, ohiefly Irish. Here is a large wooden Roman Catholio ohuroh: it atands on the south shore, opposite the east end of Besubere Island, and a mile above Nowreastlo. The river in navigable far as Beaubere: Island for any vessel that oan oross the Horso-shoe Bar.
TIDES.-It is high water at Miramiobi Barat sbout Sh.; spring-tides rive is feet, neapt 8 foot. At Sholdrake Island, at 8 h .; spring-diden rise 8 foet, and neaps 8 feet: the ebb-tide runs at the rate of 3 miles as hout in the Sheldrake Channel. It is high Water at Beaubere Ialand, F. and O., at $6 \mathrm{~h}, 30 \mathrm{~m}$; ; spring-tidee rise 0 feet, neap-tides 4 feet; the ebb runs at the rate of 2 knote, and the tlood about an knot" At the rapids, in both the S.W. and N.W. arms, the tides flow until 8 .o, and they rise here about 2 feet.

## POINT ESOUMINAC TO THE GUT OF CANSO.

Point Ebouminao, as before mentioned, is low, oovered with apruoo-trees, and rendered conspicuous by its lighthouse, which is painted whito, and cerves. to warn, vessele of their approach to the reef whioh ruas off 2 miles N. S. from the point.

At 's miles 8.8.W. from 'Point Escuminas is Point Bapin, and the intermediate shore is very low and shallow. The glapin Ledge lies directly, off the point, and fis vary daugerous, having only 12 foat on it, and lying right in the track of ehipe ranizing aloagstrore. In the night-time it should not be approached nearer than "f fathome; and it should at all times be remombered that there are 5 fathoms at only about 2 cables' longth from it. This lodgo is st miles'long from enet to weut, and half a milo broed ; from its outor edge Escumintc lighthouse bears North, distant 6 milee, and Point Sapin E.S.E. $\frac{1}{2}$ E., $2 \frac{1}{3}$ miles. A dopth of $8+$ fathoms will be found between it and Point Sapin.

From Point Sapin to Richibuoto Head the course and distance are \& \& W. nearis 20 miles, across Kouchibouguse Bay, the shores of which are very low, with sand-bara and beeches, inclosing lagoons, through whioh rivers flow into the sea. Kouchibouguac River, afier flowing more than a mile through an extensive lagoon, noarly dry at low wator in spring-tidee, enters the see by an outlet throngh sand.bars about 9 milee S.W. from-Point Sapin., This river has a har of sarad which frequently shifts. A depth of 9 feet at high-water and spring-tides could be carried in over the bar at the time of Captain Bayfiold's survey in 1889. The tides rise from $21+$ to 4 foet, and flow 8 milee up the river. In all the northern part of Kouchibouguac Bay the ehoal Fater (that is, to 8 fathomp) oxtends to come distance off shore, till it joins the SapinLedge. Iroc worse arwis among the rivers on this part of the const, inforior only to the Miramichi, eithor in the'distance to which it is navigable, or in the depth of wator over its bar. On ite banks there are flourishing and rapidly inereasing cottlemente. The tomn of Liverpool atands about 8 miles within the entrinite, on the north tide.of the river.

## POINT ESOUMINAO TO THE GUT OF OANSO.

n Oatholio Wealeyand d finiahed, $n$ the most

The entrance of the Riohlbucto lies between twb eand-bars, soveral miles in longth, named the north ind south beiches, on whioh there are sand-hills 30 foot high; it is about 860 fathoms wide. Any ressal that oan pass the bar may be takep 18 miloy up the river, aud amalt voscele oan go up nearly 20 miles. A pilot is absolutoly neoessary.
A reof of sandetone extends off Riohibucto Point (whioh ia the 8.E. extreme of the douth beach, and 8 it miles from the river's mouth) to the distanoe of a mile from the high-water mark, and continuee 2 or 8 milee farther to the southward, to Riohibuoto Hoad, which is 50 foet high, and compoeed of sandatome and clay oliffes.
The oourse and dietanoe from Riohibuoto PQint to the B.E. extremity of the Buctouche aend-bar is 8. 144 miles. 'In this space there is nothing worthy of notice excepting the amall river Shookpish, whioh affiords sheltor to boate at high water. a
The North Patch, of only 12 feet, muat be oarafully avoided when approaching Buctouche Roads from the northward; it has 5 fathoma just outside of it. It lies on the N.E. part of the duter bar of Buotonohe, and 2 miles off the ehore, with Oooagne ateople and the N.W. extreme of Cocagne Ieland in one, bearing 8.S.W. W., and the sonth ond of Buctouche Sand-bar 8.W. by W. .: by keoping in five fathome you will pass outside of it. The Outer Bar of Buctouche is a long ridge of eandy and rooky ground with from 2f to $8 \frac{1}{f}$ fathome, 'extending to tho bouthward and parallel to the ehore from the North Patoh nearly to Cocagne, a distance of $\boldsymbol{7}^{\prime}$ milee. Betreen it and the shore there is a narrow ohannel of various depths, from 81, to $=5$ fathoms.

Buctouohe Roadstoad, off the ontrance of Buotoaohe Biver, and in tho widest part of the channel within the outer bar, is perfeotly sefo for a ressel with good: ground tackle; the ground being atiff olay, and the outor Bar affording proteotion from any vory heary sem. It is hers that veseols of too large a draught of water to onter the river, lie moorpd to take in their oargoes. When approsching this anohorage there is nothing in the way of vemiois that do not draw too much water to orome the outer ban oxcopt the North Patoh, before mentioned; but large, vesecis will find more water (not less than 81 fathoma) by approceching from the northward, by attending to the following direotions., If off the ooest, with a libading wind, bring Buctouche steeple to bear to the sonthyard of weet, and run in shore with it on thes bearing, in ordor to pase to the northward of the North Patoh. Ae you run in, you will, if the weather be favourable, obsorre Cocagne gtteople open out to the weatwand of Coongrie Island, so as to be seon between the lattor and the mainland; and you must continue your courve till the steeple oomes on with the extreme of Diokson Point (a amall peninsule point tbout-2f miles to the sonthward of the sand-bar). Change the course immediately, running. with Cooagne steeplo and Diokson Point In one, bearing 8.8.W. \& W., and thoy will leed you oloee inside of the outer bar, and clear of a small shoal lying between it and the shote, on whioh there are not less than pet fathoms. Taise ears not to shat the Cocagne atoople in behind Diokson Point, as jou run along the mapd-bar, and immodiatoly after Buctouche steeple opens out to the westward of the amall sandy islot whion forms the 8.W. point of Buctouche Sand-bar, you will obwerve twe white beepons on the madoland oome in one, bearing N.W. by W. $\frac{4}{}$ W.; anohor with thom in one, and Cooagne

- The bar of this river appears to be more dangeroun than formerly, it having been said that vensels draving 12 feet are unable to crose it Wo copy the followtog from the Shipping Gazetto of Nor. 25th, 1808 :- "The ontranoe to the port is itopeded by 2 sand.bar, about $81 /$ minles from the town of Liverpool. It is stated, in the nilitigg dirroction book for thit const, the dopth of water on the bar in $18 \frac{1}{2}$ feet at low, and 171 feet at high watar, opring-tidee. Wo. And that vemens draving 12 feet of water hare, been dotisined ceveral weeke for mant of saficient water on the bly. The tiden are more or leas infuenced by wind. As the entrance in expored to heary gales fom the N.E., it has oocenioned A dooreace in the dopth of water, which it extremely dangeroves to
 ndthg in an open rea, so that if it blgwi a N.E. gale, a vemel mutt unavoldably go on ihoro; it is
 (if not mores). Another danger is, when outaide erith rint of tumber or dentr alongiide, thatit aften ococirs the latit ters of the rifts are loot in contequence of the heary sivel that a N.E.


steeple open about its own breadth to thơ left or eatward of Diokson Point, and you will bo in the bent berth in 89 or A fathoms at low water, and with excellent holdingground. If the statio of the weather should prevent the leading mark from being distinguiahed, the chart and the lead ought to be auffioient guides.

Buotoucho River enters the see to the S.E.E., through the shallow bay within the Buotounche Sand-bar. The two white beecona, before mentioned; which point out the best anchorage in the roadstead, are intended to lôad in over the bar of sand and flat sandstone, in the best water, namely, 8 foet at low water, and 12 feet at high water in ordinary apring tides. To enter the rivor, the isssistance of a pilot is abeolutely necessary, as the ohannol is nierrow and intricate.

Cocagne Harbour, 6 milos south of Buctouche, lies between Cocagne Island on the north side and Point Repouard on the south side. It is a vory small harbour, and requires the asaistance of aspilot.

At nearly 4 milos to the southward of Cooagno, and nearly 10 miles S. I E. from the 8.E. point of Buotouche Sand-bar, is Shediac 'Point, off which the Grandigue Bhoel, with from, 14 to 18 'feet water, extends to the distance of i miles, having the lemat water noer its outor edge. You can pass outside of this shoal by not approsehing the shore nearer than 5 fathoms at law water.
SHEDIAC BAY is 61 miles wide from Shediec Point to Point Bouleaux, and about 0 miles deop. Near the head of the bay is the island, within the north end of whioh is the rillags, acoessible for amall reseols. The harbour lies botween the 8.W. point of 8hedinc Island and Point Chêne; the latter bearing from the former 8.S.E. threo-quarters of a mile. A sandy bar runs ont from Point Ohene to the northward, 800 futhoms, and is dry for nearly half thiat ditatance at three-quarters ebb. This bar, togother with the ahoul farther out, off the 8.E. point of Bhediac Igland, render the harbour very secure. Near the middle of the bay, which is all shallow, there are two socke, of 7 and 8 foat, lying E.S.E. from the contre of Shedice Ialand. The enotornmost, named Medee Rook, lies 2 miles from the island; the western, named the Zephyr Rook, liee nearly midwey betweon. Modea Rock and the island. The pacsage into the harbour is ito the northward of the above rocks, and along the eactorn side of Shedise Island, about two-thirde of a mile from it, between the ohoal off the B.E. point of the island and Zophyr Rook.

Shedino, although woll aftuated, is not a place of mueh trade, only a fow cargoes of timber, primeipelily deals, boing shipped at it annually for the British market. Btrangore bound to this pluce ehould have the assiatance of a pilot. The depth that can be carriod in by a good pilot if 14 foet at low water, and 18 foet at high watpr in ordinary spring-tides. The 8hodice and Soondove are vary small rivers, only navigable for boatis for a fow miles. The tiden at shediac, when unaffeoted by winde, rise 4 feet in ondinary spring-tides, and 2 feot in neap-tides; and the ratce of thes stream of dither obb or flood seldom' oxceeds half a knot.

Between Point Boolciux and Cape Bald are Bouchagan and Kouchibonguet Rivers, which oan ouly hy entered by bonts at high wator. A reof oxtonde more than a mile from the chofe off Point foulemax, but Oape Bald, 12 miloe eastward of Shedico Island, is bold and may be eafly approcethed by the leed to 5 fathoma.

From Oape Bald to Cape Bruin tha beeripg and distance are 8.E. by E. nearly 18 miles. In this distance the coast is free from danger, the ahonl water extending only about hatf a milo off shore ; and a veemal may gafily approach at night to the dopth of 6 fathome at low wator. But groater caution will be requisite farther to the eastward on cocount of the dangerous ahoals whioh commencanof Poacook Cove, which is in'the bay between Cape Bruin and Cape Jourimain. Great and Little Shemogue Rivers are 7 and of miles reopeotivoly to the 8. S. by E. of Oape Bald. They are only fat for boats and very mall vowoln, having vory narrow and intrioato ohannole, ovor shifting bars of mand. Good anohorage may be got of these rivera in 5 or 6 fathom zanay bottom.
 oxtremeror the Jourimidn Inlands; and forma the Bexterina point of land to remsols running ther the Strait of Northumberland, oithor from the ometward or westward. Thore fig good wioborage in the bay betweon Oape Bruin and Oape Jourimain, in 5 fathoms, enindy bottom, and ololtor with wiade inom the 8.E. by E. round by south to W. by N. The Jocrimila ghoals are vary dengerons to viciele in the night, and t the load nhould always be lopt going when appropohing thein' in dark weather; and $=$
  .
$\qquad$

[^8]
## 

Point, and th excellent mark from
within the oint out the and and flat bigh water abmolutely
land on the arbour, and
l. 1 E. from Grandigue having the pprosching
uleaux, and north end potween the the former tene to the larters ebb. liac Island, dl/ shallow, liac Island. 10 westarn, the islend. d along the n' the ohoal cargoes of sh market. depth that gh watpr in ivers, only affected by the rate of

## chibouguet

 tonds more nestward of oma i. nearly 18 nding only the depth io the east$\theta$, whioh is Shemogue They are ohannols, 1 in 5 or 60 thro morth Ito reseols - westward. main, in 5 1 by sonth night, and wher; and
when to the eastward of them, come no nearer than 9 fathoms, but to the wentward they may be approached as near as 7 or 6 fathoms. Shoal water-xtende from the eape, N.N.W. $1 \frac{1}{2}$ milee, and from thenoe it extends 41 miles to the S. 2 .; near this point of the shoul is a patch of only 6 feet at low water; as shown by the ohart; this liee 1 ? miles from the shore, and is very dangerous, being bold-to oh the east side. To the westward of the eape the shoal water extends fully 4 miles, and runs off fully 2 miles from the ahore; but you may approach this part to 6 or 5 fathoms.
OAPE TORMENTINE is the great headland whioh forms the eastern extremity of New Brunswick within the gulf. Indian Point may be said to form the southern, and Cape Jourimain the northern points of this headland, which is a place of importance in a naution point of niom, not only from its position, but from its dangerous and extensive shoils. The Tormentine Reefs are vory dengerous in consequence of the atrong tides in their vicinity. They extend ofr Indian Point rather more than 8 miles to the E.S.E., and there is rocky ground, with 4 fathoms, fully a mile farther off shore. The part of these reefs which dries at low water is very small, and bears E.S.E. $\frac{1}{1}$ E., $2 \frac{1}{4}$ miles from Indian Point. These reofa sbould, at all times, be approached with caution by the lead, and shonld not, particularly with light winds, be approached nearer than 9 fathoms, when to the porth-eastriand of them, as the flood-tide sets over them to the eouthward, into Bary Verte, at the rate of three knota, oausing a great rippling over the part that dries, and 'thus indieating ite position. There im a patch of rocke, with 7 foet at low water, nearly midway between the dry part of the reef and Indian Point. Small vessele carry a dopth of 21 fathome, at low water, through betweon that patoh and Indian Peint, and ofton take ahelter uinder the latter in northerly winde.

BAY VERTE is 9 miles brond norose its entrance, from Indian Point in Now Bronswiok, to Coldspring Head in Nova Scotia, but contracte to the breadth of 24 miles near its hoad. It is 11 miles deep, and separates the two provinoes just named; their boundary continuing acrose the iathmus from the hemd of Bay Verto to Cumberiand Basin, a dietance of about 11 miles. There is no harbour in Bay Verte, and it is completely open to easterly winds, as well as very ahallow near its hoed, there flate of mud and woede dry out to a distance of three-quarters of a mile from the shore.

Gespereau River lies in the northern corner of the head of the bay, and half a mile to the conthward of its mouth are the remains of Fort Mfonokton, an Old Fort Point, now washed by the sea.
Tignish River, the principal stream in the Bay of Verto, onters the bay on the couth side near its head. When the tide is out; the vory narrow channel of the river has only 8 feet of wator, and it is approached by a narrow channel, from 8 to $r$ foot deep, through flats of mud and weede, which dry out' a little from its month. Oonsiderable quantities of deala are antuully rafted down this river, from whence they are ohiefly takon in omall cohooners, or in raftenlong shore, to Pugwabh, to be ahipped for the British market. Spring-tidee rise 9 foet, and neap-tidee 5 foet
Tignish Head liee on the enetern side at the mouth of the Tignish River. There are two patches of stone with 8 and 5 feot wator, at the distanco of half and three. quartars of a mile N.N.E. 1 E. from Tigniah Head, but as these are within the 2-fathom line, they require no farthor notice. At 41 miles mouth-asetward of Tignich Hoad it Bows Spit, which dries out to its edge, and is so-stoop-to that there are 17 foot of wator olose to ite ontor point: yon should keep in 81 fathoma when passing thit epit. At 81 miloe south-estivard of Bowe Spit is Ooldepring. Hoed, whioh lies N.N.W. $t$ W., 8 miles from Lowis Head.

In the ontrance to Vorto Bay are some ahoale, whioh should be avoided whon navigating this part of the Strait of Northumberiand, vis, Agsormore Rook, Laurent Shoni, Feart Shoal, and Spear 8homl.

The Aggermore Rook, with 18 foot loant wator, lies N.E. 1 E., 8 miloc, from Cold
 towarde Oape Lanivit, not more than of fathome will be found at low water, and in. nome pleose loas.
Learont Shoal, of rook, and sand, with 16 feot loant wator, is about thric-guarters of a milo long; by half that in breedth. On the shoaleat part Oapo 8t. Laurent boars N.W. by N., $8, \frac{1}{1}$ milce, Inditan Point, N.E. by E. $\frac{1}{3}$ E., and Coldepring Hend, 8.8.W. 1 W. There are 41 fathone clowe to the ond eilde of this aboal.

## 126 - POINT ESOUMINAC TO THE GUT OF CANSO.

Heart Shoal, with 9 feot least water, lies S.W. by S., $1 \frac{1}{6}$ miles, from "Cape Spear. There are 15 feet between it and the shore.

Spear Shoal lies about a milo E.S.E.E. from Heart Shoal, and has a patch of rook with 10 foet loast wator near its. enst end, and from 15 to 18 feet in other parts. It is a bank of sand and stones, resting on sandstone, abont a mile long, from east to west, and one-third of a mile broed. When approaching this ehoal from the eastward the lead gives littlo warning, as there are from 8y to $4 \frac{1}{4}$ fathoms olose to it on that side ; but by ooming into no less than 41 fathoma, vessols will avoid it, as they pass it to the eouthward. From the shoalest part Oape Spear bears N.W. by N., 1 miles, and Indian Point N.N.E., 24 miles. Between it and Cape Spear there are $3 \frac{1}{4}$ fathome.
From Ooldspring Hend to Lowis Head the hearing and distance are \&.S.E. $\frac{1}{6}$ E., 8 miles, and at $2 t$ miles E. by S. of Lowris Head is Pugwaih Point. Between Lowis Head and Pugwash Point is a bay into whioh the Rivers Philip and Pagwash run, the former in ite western side, and the latter in ite eastern. Lewis Reof extends $2 \frac{1}{2}$ miles to the N.E. from Lewis Head; its outer pert is composednof detached rocky patches, on whioh there are from 14 to 18 feet of water; with a greater depth between them; but the inner part is very shallow, and has eas little as 8 feet of watar at the distanoe of $1 \frac{1}{2}$ miles from the shore.
Philip River disembogues to the oouthward of Lewis Head, and between the latter and Bergeman Point. There is a dangerous bar of stones and sand across its mouth, so situated as to leave only a very narrow ant crooked channel of 8 feet at low wator, through which the new vessele, built up the river, and brought down light, are taken with diffoulty on their way to Pugwieh, whero they load, and where, also, the lumber and produce brought down this river are taten to be shipped. Boats can go up about 9 miles, and there are increasing settiements aloug the borders of this river.
purewase manmous lies at the head of the bay of that name and to the southwand of the point. There is a depth of 14 feet at low water on the ber, in ordinary spring-tidos, within whioh is a orooked ohanpel, from 50 to 100 fathome wide, leading to the harbour: to sail through this chanriel requires the aid of a pilot, who will be obtained in answer to the usual signal. The harbour is a land-locked basin, having a depth of nearly $Y$ fathoms, in whioh vessels lomding lie moored in perfeot scearity. There is high water at Pugwash, F. and 0. , at 10 h .80 m. ; ordinary spring-tides rise 7 feet, and neap-tides 1 foet. The rato of the tidal atreams seldom oxceeds a knot in the roadstead, and in the entranoe of the harbour it is generally
less than 2 knots.

A reof rana out from Pugwash Point three-quartors of a mile N.W. by W., and dries out about half that digtance. At of a mile of the point to the N. and N.E., there are rooky patohes, with 11 and 12 feet of water, and there are others farther to the oastward, a full mile out from the ahore: there is aldo uneven rooky ground, with a leas depth than 4 fathoms, 2 miles off shore, and which renders it unsafe for a stranger in a large ship to go within the b-fathom line.

The roadetoid is aheltored by Phillip Bar and Lowis Reof from W. and N.W., and by Pugiwash Root from E. and N.E. Winds: It affords oxcollent whohorage, in from 16 to 10 feet at low water, sand and olay bottom; but exponed C winds botweon N.N.W. and N.N.E., although ths shaliow water outalde prevents any eos from coming in muffioiont to ondanger a veceol during the sumpmer months. To take Pugwach Road, jou ought to havo a pllot, bnt if nuable to got ono, then, ohould you be to the northward, in! 5 fathome, yon must briog the Engliah Church steeple, at Pugwash, so as to be seon over, and only just within, the west oxtreme of the low clifi of Fiohing Point, the eaut point of the bay, bearing B. by E. \& E.; running, with these marke you mult not open the ohuroh in the loast to the wostward of the point, until the south point of Phillip Rivor (Bergoman Point) bears S.W. by W., or until the wator deerescen to of fathoms: you will then be oloee to the N.W. ond of the Pagwash Reef; now change your course to 8.8.W., threo-getartors of a milo, whon
 diatant about half a milo, or jou may Hi in 14 foet, half a mile farther to the pouthward.

At 9 miles E.S.E. from Pugwach Point in situated Oape Oliff, and 8 miles farthor to the S.E. is Oak Fsland. The conat botweon is unbroten sind torminatios ir Point Mackensio, whioh is moparatodimon Oat Island by sand-bare and a gally for boats
nearly dity whon the tide is out. Oak Island is abont a mile long, and has Jerry Island half a mile to the westward of it, on the north side of Fox Bay, just within Point Mackenzie. To the southward of Oak Islend a bay runs in westerly about 2 miles, to Mullin Point, which point separates Fox Bay on the north-west from Walleoo Harbour (formerly Ramsheg) on the south-west. Fox Bay runs in 3 or 4 miles to the north-west, with a channel through flate of tenacious red clay and weeds, which are nearly dry at low water. In this channel are 3 or 4 fathoms of water; but a depth of 8 or 9 feet igell that oan be carried over the bar at low water in ordinary epring-tides.
 Pictou, and has 16 feet over its bar at low water of ordinary spring-tides, which rise 8 feet, so that it is capable of admitting very large ships. The entrance, which is W.S.W. $\frac{1}{2}$ W.; 2$\}$ miles, from Oak Island, and between two sandy points, named Palmer and Oaulfield Points, is 2 oables' length wide, and $0 \frac{1}{3}$ fathoms deep; above this the ohannel is crooked and difficult, although it is 160 fathoms wide. A pilot is always therefore necessary, and may be obtained by making the usual signal. It is high water, F. and O., at 10 h .30 m .; spring-tides rise 8 feet, neapps of feet, and their velooity does not exceed 14 knots. Whon approaching Wallace Harbour from the northward, Oak Island should have a berth given to it of nearly a mile; or keep in 5 fathoms, to avoid the reefs off its east side.

From Oak Island to the eastern point of Seddle Island the bearing and distance are S.E. by E. 6 miles. This island is small and, low, and joined to the shore by shoals drying at low water; from its eastern point a dangerous reef. extends about a mile, and has on it a rock named the Wash-hall, dry at low tide. To clear-this reef on the uorth side, bring Treen Bluff just open north of Saddle Island bearing W. $\frac{1}{2}$ N., and you will aroid it in 4 fathoms. A frequent use of the lead should be made when in the vioinity of the reef, and a nearar approach should not be made than 6 fathoms on its eestern side.
From Saddle Island the bearing and distanoe to Cape John are 8.E. by E. a E. Emiles. Within this line of bearing the coast-line bends inwards and forms a large bay named Tatamagouohe, in which are several harbours and anchoring plaobs.
TATAMAGOUOHE BAY, or, Amer Sound.-Immedietely ouitside the entrance of this bay are Amet Islet and Shoals, and the Waugh Bank, which render the bay rather difioult of accoss. The islet is amall and flat at the top, and oorered with coarse grass. . It is abont 20 feet above the sea at high water, and was formerly much larger than at present: Shallow water extends 800 fathoms to the weatward from the ieland, and miy be cleared in not loss than $8+\frac{1}{\text { fathoms, if the English stoople at the }}$ River John be not ahnt in behind the western side of the cape of the same name; but large ahips should stand in only to 6 fathoms, and take notioe that in every other direction shallow water extends from the ialand to a far greater distance. The shoala extend nearly 4 miles to the eastwardof the island, and 2 miles to the south-eastward toward Cape John. In both directions are rooky patches of 5 or 0 feot; at rathere more than a milo from the ibland; but there are not loss than 16 feot beyond the distanoe of 2 miles, although there is a patoh of that dopth at fully 8 miles to the eastward of the island. The marks for this latter patoh are the north extromes of Amot Islot and Treen Bluff in one, boaring W. $\frac{1}{2}$ N., and Oape John B.W. A.S. The northern side of these ahoals is very oteop and should not be approached by a large ship in the night-time nearer than 10 fathoms.

The Waugh Bank is to the weatward of Amet Ielbt. It is about $1 \frac{1}{4}$ miles long, with soundings of 2 to 6 fathoms, and from its ponition and stoepness is very dangerous, 80 that it ohould not be approsohed from the northward noarer than 7 fathome, that side of the shoal being the shallowest and ateepest. To colear it on the N.E. aide in $\bar{B}$ or 6 fathogs, briag the eaptorn. extremes of Amet Islot and Oape John in one, bearing S.E. I S., or the weatern side of Oape John and the English. Episoopal ateeple at the

 low and at times diffoult to distinguish, on acoonnt of the high land behind it. cape John, the northorn point of the bay, is about 40 or 60 foet high, and has a reof oxtonding from it abont 4 oablem length, on the inner part of whioh are two rocks always above wator. This roel in stcop-to, espeoially at ite western part; whero there are 7 fathome olow-to, boing deoper hare than anywhere alve. From the north clear of jevger yet nearer thangin, yet the shoals from its ahores are steep and should not be approached mile. On the ber of the siver there is only s foot head of the bay, drying out half a are built.

Nearly in the centre of Tatamagouehe Bay is Brule Peninsule, which is rather low and wooded, and has a reef extending from it 400 fathoms towards the N.W., party drying at low. water, and so bold that the lead gives but little warning of appromeb. Off the point are some shoalsextending $1 \frac{1}{5}$ milee to the northward; which appresooky with irrogular sonndingg, and have 9 feet leust wator not far from their outer edge. They ehould be approzctiod very oautionsly, as there are 4 or 5 fathome close to the edge. Within the peninsula is the harbour, having upon ite bar a depth of 14 feot at 10 w water; when inside the biar there are 19 feet for a short distance, but the ohannel soon beoomes very uarrow, running between fints of mivd and weeds. The anchorage outteide the bar;, in 34 fathoms, muddy bottom, is considered the best aheltered place in the sound; to anohor in the bent berth bring Bruid Point N.W. by N., Conn's white house* S.W., and Cape John N.E:

Tatamagouche Harbour is to ,the westward of Brule Peninsula, lying between it and Mullegash Point. It is $2 t$ miles wide at its entravice, and rune in 7 miles to the westward, affording good anohorage everywhere, on a bottom of soft mud, but large shiproannot go far up. From 5 fathoms at the entrance the depth decreases to 8 fathome 11 miles up the bay, and to 2 fathoms at 4 miles, the remainder being all ehallow, part drying at low water, A pock, with only 7 feet on it liee 81 cabies Mullegnah Point touching; bearing E.N.E., olear it to the sontitward, digtant and fathoms. A stranger may tafely approach to 8 fathoms at low water; but in entering, keep well over to the northward, to avoid the Brulè Shoals, oxtending fiom Brule Point. On the N.E. side the English Church steeple at the River John, just open to the northward of Long Point, bearing 8.E. $\ddagger$ E., clears them in 8 fathoms. The north and N.W. sides are vory stoop, but the east and 8.E. sidpe may bo appronched by thé lemd.

Tatamagouche River is in thie 8.W. corner of the bay, 5 miloe within the ontrance. Several remels visit this rijer for lumibor overy year; they anchor off it in 11 or 12 foet at low water, and lia aground on soft mud, as the tide falle, without injury. High wator; full and ohange, at 10 h ; spring-tides rise 8 feet, neaps $b$ feot.
When appronohing Tatamagouche Bay from the eastward, between Oape St. John and Amot IEland, keop neareat the cape, to avoid the Amet Shoals, that narrow this ohangel to about threo-quartors of a mile. When coming in to the westward of Amet leland, the paeage betweon Amot Isiand and the Waugh 8honlt to the weetward, in a full mile wide, and froirit to 10 fathoms doep; the loeding mart for rumning through this peasage is Brule Point and Co'nn's House in one, bearing 8. by W. The weotern paseage into Amot Sound, botrreon Waugh Shoal and Seddle Roef, is a mile wide, with oto 8 fathoms in it. When bound to John Biver, or Tatamagouche, pilote may be
obtained by mating the neual signal. obtained by making the usual signal.
From Cape John the const tronde 8.E. by E. I E., 15 milee, to Oaribou Island, and is froe from dangern. The iuland is about $1 \frac{1}{1}$ miloe long, and appears at a ditance like eevgral islands, but a nearer appromeh shows these to bo joined together by mand bars. A reof eztends from the eastorn point of tho itland towirds the N.N.E., nearly three-quartert of a milo, find is compowed of large stonen; it is very dangepona, as thore is doep wator very near its north point and cistern side.
Oaribou Ifland with the main inclopes a harbour availeble for manall veesols. At Itsentrance is a small inland, named Doetor Ioland; or cither side of whioh thore is a paesage: From the onstern point of the island a roof rums to the enotward 14 mileay and partly driee at low Wator. To the couthwand of this and two-fhirds of a mile from the same point of the ialand aro the 8eal Rocte, dry at laveratar, froman whioh the ahatlow, walar, forming the bar of Caribon Harbour, extende to Liggen Point, the

[^9]mm , rendering it hin the oape is - of the river is $t$ be approsched rying out half a re several shipa oh is rather low ne N.W., partly ig of approenb. which are rooky beir outer edge. ms close to the epth of 14 foest trance, but the d weede. The 1 the beot shelit N.W. by N., ng between it 7 miles to the nud, but large decoreanes to 3 der being all iee '33 cableo et Ialand and 1, ditant 120 It in entering, a Brule Point. open to the Che north and $d$ by the lemd. the ontranco. it in 11 or 12 jurr. High lape St. John t narrow this raxd of Amet entrurd, is is ning through The wettern le wide, with lote may be

I Iland, and $t a$ distance rer by mand N.E., nearly cugenpuas, as cosole. At: oh thero is a rd 17 milest of a milo from-whith
Point, the
north point of Pictou Bay. Garibou Harbour is about 6 miles long and one broad, and is too shallow and difinoult of access for any but small vessels.

PIOTOU ISLAND lies to the north-eastward of Caribous. It is about 44 miles long by about $1 \frac{1}{3}$ broad, of moderate height, and well-wooded. Its wegtern point may be pased in 3 fathoms within half a mile, but on either side of it there are rocks, herly dry at low water, extending 300 fathoms from the shore. The north shore of the island should not be approached nearer than 9 fathoms, particularly at night, but the southern shore may be approsched to 5 fathoms. Off the east point of the ioland a dangerous reef runs pearly a milo to 5 fathoms, and partly dries at low water; near it are 9 fathoms, so thet, great oaution is required when salling in its vioinity, particularly st night, and with a flood-ide.

From Pigtou Island e bank extends to the west and south 34 miles, upon which are $2 z^{3}$ to 6 fathoms, on a bottom of sandstone thinly oovered with sand, graval, mud, and broken shells. On the northern part of this bank is a series of rocky pstches, named the Miadle Shoals, having 11 feet least water. They are about $1 \frac{1}{4}$ miles in extent, in a W. by S. direotion, sud msy be cleared to the northward in 4 fathoms by bringing Roger Point (the middle point on the south side of Pictou Island) and the west point of the same island in one; but large veisels should not approach them on that side nearer than 7 fathoms:

Between Pictou Bank and the shoals extending from Caribou Islend is a channel about half a mile wide with a eufficient depth of water for the largest vessels. It is somewhat difficult to nevigate being so crooked that no leading marks direot through the whole extent, nevertheless the following instructions by Captain Bayfield may be of some service; he says that, "the sefest mode of running through this ohannel to the westward, is to strike soundings in 6 or 7 fathoms on the edge of the shoal water off Doctor Island, and follow it to the N.W. until Mackenzie Head is just shut in bghind 耳ogan Point, bowing S. 1 W. Then steer from those marks, keeping the Head just shut in, and they will lead across the deep water, and sfterwards along the western edge of the Pictou Island Bank out to ses. If the wind were strong from the S.W. with an ebb tide, it would be preferable to keep on the weather side of the ohannel, in whioh case the edge of the shoal water off Doctor Island should be foliowed further to the N.W., until Logan Point is only a little open to the eastward of Doctor Point, bearing S. $\frac{1}{4}$ E. Those points in one lead along the east side of Caribou Rieef at the distance of a cable, and in 4 fathomi. Keep Logan Point a little open, and it will lead clear out to sea in not less than $4 \frac{1}{4}$ fathoms. The same marks and directions, taken in a roverse order, will epable a vessel to take thie channel from the northward or westward, it being only necessary to add, that she should not haul to the eastward until the Hswksbill is well shut in behind Caribou Point, nor open out the former again after having shut it in, until the lighthouse at Pictou is open to the southward. of Cole Point; the lighthonse and Cole Point in one; bearing S.W. by W. $\frac{1}{2}$ W., being the mark for clearing the eouth extreme of the Pictou Island Bank in $\mathbf{j}^{\prime}$ fathoms.
sioniof zaisoun, about 8 miles to the southward of Caribou, is in every respect the finest on the southern shores of the gulf, being cespable of receiving ships of any burthen; here are coal-mines, vahusble querries of huilding stone, and a finely settled country in its neighbourhood. Pictou has been declared a froe warehousing port; and its trade is yory considerable in lumber, coal, and the fishery. The trade of this port appemus to he rapidly Increasing, and the town of New Glaegow, up the East River, in the neighbourhood of the coal-mines, promises to be of considerable importance. Coasters, from all parts of the gulf, resort to Pictou; and ite exports have amounted to $£ 100,000$ in one season. A stgamer runs regularly between Pietou and Quebec; and there is a regular communication by land with

The town of Pictou stands on the north shore of the harbour. The houses are orowded together along the blorere of asmail bay, but all oxoept the ohurch stoeples are hiddon from 'vessele entering the harbour, by Battery Point, which shelters them from eisterly winds. Many of the dwelling -houses are of stone, and the population upwarde of 2000. Opposite the town the harbour expands into three armes, at the hoads of Fhich are the Efist, Weat, and Middle Rivers ; the two latter are only

The north point of entrance is Logan Point, and the wouth point is'Meckenzie Heed,

On the opposite or northern entrance to an extensive lake:
fully half a mile, which may be crossedjin harbour reefe oxtend from Logan Point house and Cole Point in one, bearing S.W. by W. W . Water bylbringing the lightapproach nearer than 4 fathoms. From Cole Py W. 多. W.; but vespels should pot Point, á reef also extends out about onethird of a mile to the iouthward of Iogan the commencement of London Beach on the north aide continues weatward to barbour
The Lighthouse, an octagonal wooden structure, on the southern side of the entranoe, is painted vertically with red and white stripes, and exhibits, a fixed light at $\cdot 65$ feet S.W. by W. $\frac{1}{4}$ W., it clears the reef off the east eught in one with Cole Point, bearing also the eouthern éxtremity of Pictou Islend east end of Pictou Island, half s mile; and harbour, tack, when standing to the northward, the momenthoms, If beating into the pear behind Cole Point. If rumning in, keep the light W.S. We light begins to disapin $\delta$ fathoms, at low frater, off Logan Point, and followt W.S. W., till you get soundings taking care not to bring the light to the northward of Weet depth $1 \frac{1}{2}$ milas to the S.W., the roads till daylight. Pictou Roade in 5 to 6 fathoms, with the lighthouse one, there is good snehorage in wait for daylight to obtain a pilot; 'a stranger, partioulariy in West. Here you might attempt to cross the Dars without one, although there is good water on both bata not - 5 , or 6 fathoms for at low water, bottom of send; crossing this bar you fall into 4 the inner bar for about a mile, when you suddenly shoal again to 18 or 19 feet on cables' length from the lightho of sand, about a cable's length wide, and distant i, deep te the entrance of the harbour. Then across this inner bar the water coptinties but it is open to the N.E. winds. From the lighthouse ancl age between the bart, ernmost wharves at Pictou, the chaninel of the harbour to the anchorage off the easta mile wide, deep enough for the largest ships, and olear of danger, nearly one-third of To enter Pictou Harbour with a fair wind, when ear of danger. the lighthouse and town point of Pictou in one wen without Mackenvie Shoal, bring ward of west; or, which is the same thing, with , bearing, 1 or 2 degrees to the souithon the same side beyond the town. Run with thesith Point, the extreme of the lind, Points come in one, bearing N.E., when intent marks on, until Logan and Cole sufficient to bring the town point in when instantly sheer a little to the northward, Keep the last-named marks exactly in one with the north extreme of the Sandy Spit. Meckenzie Head, bearing S.E. by E. t E., until the Rearing Bull oomes in one with run from those marks, keeping the Roaring Bull ohange the course smartly and extreme of Moodil Point (the first point on the Bull just in eight, until the North to the northward of the Sandy Spit; thein heul to thide within the lighthouse) opens 8.W. extreme of London Beach; and afterwards so the westward, at first towards the the Sandy Spit into the harbour, With a 'beating ws to pass midway betweorit and Is high water, full and change, at the lighthoung wind a pilot is indiepensable. It neaps 4 feet. With good tides you will carry 4 fathom 10 h ; spring-tides rise 6 feet, Mr. Georgo Peacook, Master of "H carry 4 fathome over the bar. nocount of Piotou Roads, and Harbour. Andromache, 1839, gives the following "Piotou is á place of rising tmpor. late- but the coglomines in the importance; ite timabertrade his ritherrsallen of of trade in that article, which oocupien some neighbourhood have op ned a very brisk the coesting and foreign trade, many of which oarry vessels, of all dimensions, in trading to the United States. The best anohorage in Piotou Roads is in 7 fethoms, with the following therings;
of olay and sanda mile, is a shoal 3ls; the marks to or Points in one 200 fathoms, the From Mackenzie ; about hali-wey
m Logan Point inging the lightseals should pot thward of Logan des westward to ontrance to the

## of the entrance,

 light at 65 feet $\rightarrow$ Point, bearing alf a mille; and reating into the pegins to disapget soundings les to the S.W., imay anohor inalways on the quehorage in ere you might ip, should not oth bars. The ou. fall into 4, or 10 feat on nd distant 4, ter coptincies veen the bart, off the east: one-third of

Shoal, bring :o the south3 of the lind, an and Cole north ward, Sandy Spit. in one with martly 1 the North ouse) ;opens towards the ween it and nsable. It rise 0 feet,

## - following

allen off of very briak ondions, in nin, ohiefly

## Foint escuminao to the gut of canso.

-the lighthouse West; Point Caribou North; and the Roaring Ball Point Sid.; the latter is a high bluff, poifting to the southward, and has a small white house on the slope. From this bluff a reef extends north three cables' length, and from Point Caribou another, west, nearly half a mile. Here you are sheltered completely from the S.E. by the S., round to north, and, in a great measure, as far as N.E. by the island $\checkmark$ and reefs off it. In fact, the only winds that throw in any saa, are those from the S.E. by E. to N.E. by E., and thef are fair for running into the harbour, which may be attompted, in almost any weather, by ahips drawing from 18 to 20 feet.
Forun in, bring the small white house to the left of the lighthouse, and close to it, on with a long building appearing off the starboard point of the harbour, (it liee to the left of a small but remarkable gap in the N.W. land, bearing W. i N.; keep them on until Roaring Ball Point begins to be shut in with the east land, by whioh time you will be pretty olose to the loiv sandy beach on whioh the lighthouse atands: then haul over to the northward, toward a bushy tree, standing by itealf on the north shiore, until you are in mid-channel between it and the lighthouse point. You may then proceed up the harbour, west, in mid-ohannel, toward the point with the build-. ing, above mentioned, and rounding it at a convenient distance, anohor at pleasure, off the town, in 7 or 8 fathoms. Or, if only taking the harbour for shalter, you may anchor anywhere within the lighthouse, in mid-ohannel. The holding ground is excellent, and you are here secire from all winds,

On the 'inner bar, at high water, spring-tidos are from 22 to 23 feet of wetor; on the outer bar, 5 fathoms; between the bars, 7 and 8 fathoms. The tide on full and change, flows at 10 h. , springs rise from 0 to 8 feet, according to the wind: neaps rise from 3 to 5 feet. The lighthouse, which is painted red and white, in vertical atripee is very conspicyous, and shows a fixed light.

In order to proceed in the night, with e vessel of easy draught, bring the light to bear W. $\frac{1}{2}$ N. and steer for it until within about 50 fathoms off it, and then haul round it gradually, at about that distance; not going into loss than 3 fathoms
Pictou appears tô me to be a harbour very dasy of access, and very oapacious. The roadstead is certainly one of the best in the world, the bottom alay and mud. - There is anchorage under Pictou Island, but it is by no, means to be recommanded. M'bis island may be seen from a ship's deck 4 or 5 leagues off; a reef extende from-its east end about a mile, and from its west end more thian half-channel over. The three-fathom bank, marked in some oharts, it is said, does not exist."-Nautical Magazine, 1830, p. 146.

From the lighthouse the distance to the Roaring Bull, a oliffy point inolosing a. small lagoon; named Chance Harbour, is 4 miles in an easterly direction. From this point a reef runs out 300 fathoms. Two miles hence in the same direction is Lattle Harbour, a place fit only for boate, as, although of some oxtent, it is full of shoels. In the middle of the bey is Roy Island, off the north side of whioh there is a dangerous ledge of 9 feet; there is also a reef of sandetone, partly dry at low water, rynping ont from Colquhoun Point, half a mile to the eastward. As all these dangerr have five fathoms olose to them, vessels should be careful not to atand into lese than 0 fathome along this part of the coast.
Merigomish Harbour, east of Little Harbour, has 14 feet over the bar, and a dopth sufficient for large vessels; but it is so intrioate and diffloult of acoese that a pilot is indispensable. On the eastern side of the harbour is the inland of the same name, of miles long and $1+$ broad, rising to the height of about 150 feet, the enstarn ond of which is united to the shore by a gand-bar. Henoe to Cape George the oonat runt E. by N., 27 miles, and is bold and free from danger, and contains no harbour for shipping. The country is covered with 'settiomenter, and the hille rining from the ooast attain en elevation of 1100 feet at 2 or 3 milee from the ehore nide.

At 84 miloes from Merigomish is the village of Arisaig with ito wooden pite, affond
 north and weat. East of this pier, about a mile, is, a remarkable rook named the Barn. Three miles farther eastward is Malignant Cove and Brook, where there is good landing for boates; this place. will be known by the Sugar Loaf Hill in ite rear, which is 680 foet above the sea.

- Under Cape George thore is good anohorage in 10 to 7 fathoms, sheltesed fiom wemparly wipis.
gonish, where small ressels load gypsum or plaster, of which there is abundance in the neighbourhood; but the harbour is so shoal, that they are obliged to complete their oargoes outside the bay, in very indifferent that they are obliged to complete this harbour run through many miles of fine anchorage. The rivers falling into neighbourhood is considerible. mies of fine country, and the population of the At Pomquet Island
load in safety. In'sailing'in shouth-eastwald of Antigonish, shipe of sny size may board hand, keeping close to a rock from the northward, leave the isisnd on the starrock is etoep-to, and lies off the east end appears 5 or 6 feet above the water. This threo-quarters of a mile, are some dangerous island; without it, at the distance of a bay will open on the starboard hand, which you should les. After passing the rook, in with the island, where there is anchoragh you should stand into till you are shut the island.

解 fathoms, at about half a mile from small bays, named Great and Little Track the distance is $7 \frac{3}{2}$ miles ; between are'two shoal at the distance of about three-quarters. Off Cape Jack there is a dangerous avoided when running for the Gut of Canso ; of a mile, which must be oerrefully $4 \frac{1}{8}$ to 7 fathoms. named Havre Bouche, in whichtratice of the Gut of Canso, there is a small harbour, Hence to the Gut of Canso the fhore is vesels of 15 to 50 tons are occasionally built. tance out.
The lighthouse on the weater lat. $45^{\circ} 41^{\prime} 49^{\prime \prime} \mathrm{N}$. and long. $61^{\circ} 32^{\prime} \mathrm{W}$ of the entrance of the Gut of Canso, stands in the shore. The light is fixed, at 115 fis is painted white snd stands 120 yards from at the distance of 6 leagues, or between Obpe the level of the sea, and can be seen Very useful when approaching the gut from George Bay. Hearg Islsnd, and is thus is good anohorage with off-shore winds. Between Oape George and the Gut of the southward and south-eastward; and from the fine weather, the winds draw from

## BRETON ISLAND, soo

 feet watar on them. There are severial ple. part of the gut: these rocks hate 6 or 8 oullent anohorages, with a moderats gonerally sets in from the eouthward, $b$ depth, and out of the stream of the tide, whioh the winds. After strong N.W. winds, whioh very irregularly, being much influenced by the water in the Gulf of St. Lawrence is mhappen daily during the fall of the year, run northward through the gut, at the rate rendered low, whioh causes the current to after southacly winds.. Mill Creek is on the Nove Beotia side of the gat, near its upper erid, and here you and stop a tide, or lic wind-bound if it dees not blow hard. Keep the oreek open of the atoop rooks. If will be necementh soide of the oreek, within a cable's lergithIsrbour of Anti8 abundance in ed to oomplete ore falling into pulation of the
fany size may ad on the star0 water. This the distance of ssing the rook, 1 you are shut If a mile from
tween are`twa s a dangerous $t$ be cafrefully deepens from
mall harbour, sionally built. ] a short dis180, stands in 20 yards from 1 csn be seen , and is thus thause there s draw from 3 sonthward.
eton Island to and from vantages of $t 5$ leagues, eaches, but Porcupine. and scund, lies about d' nearly a m side of hird about ate 6 or 8 afford exide, which uenoed by the year, rurrent to happons eek opon or length rooke, to
n
steady the shly, as the tide runs in oddies. Fresh water may be obtained at low water.
Nearly oppesite Mill Creek is Balaches Lotitt, off which at nearly a ceable's length from shore there fis a sunken rock, readily distinguishable by the tidal eddy. Half a mile southwaig from henoe is Gypsum Cove, from whioh Cape Porcupine bears nearly S.W. When failing in keep near the middle, and let go your anoher in 10 fethoms. You will find sufficient room for swinging round; in 7 fathoms.

Ship. Harbour, half-way down the gut on the eastern side, is good harbour for vesseletof 10 feet draught, and very useful to those bound northward, as it has a good outlet. If bound in from the southward, give the starboard side a berth of a csble's levifth (it being flat), and run in until yous shut the north entrance of the Gut, and anohor in 4 or 5 fathoms, soft bottom. You pay obtain wood on the Breton side; and ynator on the opposite shore, at Venus Creek. The port side of this harbour is bolder-to than the starbosrd side; and has the deepest water. Without the harbour, one-third from the Breton side, you may anohor in 9, 10, to 13 fathoms, loose ground, in the strength of the tide.

Good anohorage may be had at Holland Obve, nearly opposite Ship Harbour, in 6 or 7 fathoms, muddy bottom, and out of the strength of the tide.
At the south end of the gut there is' ${ }^{\circ}$ fine bay, on the Breton side, named Inhabitant Bay, in which there is good anohorage and shelter. When asiling in, keep near Evaus Island to avoid Long Ledge, stratohing off the north shore, after passing which, run up in mid-echannel, keeping the lead constantly going. Tarbalton and

- Sea-Coal Harbours, the former on the east and the latter on the west side of the bay, each afford good sheltered anohorage in 4, 6 , and 6 fathoms, on 4 maddy bottom, and are very convenient when N.W. winds prevail at the south entrance of the Gut. When bound southwards, if caught with a southerly wind, you will find good anohorage under Tarbaltoi Head, where you may ride safely in the bey, in 5 or 6 fathqus.
The following directions have been given for the Gut and matill be fonnd useful:-
"If from the northward, you may proceed through the Gut in safety; by keeping. nearly in the mid-channel, there being no danger until you arrive off the south point named Eddy Point;* but, from this point extends a long spit of sand, with large round stones, whioh must be left on the starboard side, at the distance of half a mile from what may be seen above water. The race of the tide will serve to gride
Having passed the spit of Eddy Point, you msy steer to the S.S.E. until ebreast of an island which appears covered with green spruoe-trees, having red bark. Hence you proceed straight out to sea.

Be cautious of running in the direction of a dangerous stoep rock; named the Cerberus. Rock, with only 10 feet of water over it, and 8 n which the sea breaks occasionally. This rock lies arith the centre of Verte or Green Island in a line with Cape Hogan, or Iron Cape, on the Isle of Madame, at the distance of about $4 \frac{1}{\frac{1}{3}}$ miles from Cape Argos, and about 37 miles from Cape Hogan. It may be oleared on the west side by bringing Eddy Point in one with Bear Island.

Near the end of the Gut, within a mile of Eddy Point, there is a middle ground of 7 to 12 fathoms, on which ships may etop a tide in ${ }^{\circ}$ moderate weather. . To the westward of this ground there is a depth of 18 fathoms, and to the eastward of it 20 to 25 fethoms. With the wind inolining from the southward, ateer in nearly Weet, and keep the lead going, until you shoalen to 11 fathoms, when you may lot go your anchor.

If wishing to anchor in Inhabitant Bay, bring the farm that is opposite to Bear Hoad open with Bear Head bearing W.8.W. This mark will lead you oloar, and to the southward of the Long Ledge, and in the mid-ohannol between it and the steop. rocks on the east or opposite shore: at the same time, tale your soundings frome the Long Ledge or north shore, all the way till you arrive at Flat Point; then keep in mid-channel between Flat Point and the island opposite, from the N.E. side of whioh runs off a spit or ledge of rooks, at the distance of a cable and a halfs length; then

[^10]port your holm, and run under Island Point, and come-to in 5 fathoms, muddy bottom. Up the River Trent are plenty of salmon, in the season, and there you may
find wood and water.
The leading mark to olear the steep rocks of Steep Point is, to bring the peuinsula in a line over the point of Tarbalton Head, bearing S. or S. $\frac{1}{2}$ E. until you open the island to the northward of Island Point; then haul up for the outer harbour, and oome-to in. 10 or 12 fathoms, muddy bottom.
Those who are bownd up the Gut of Caneo, and taken short by a N. or N.W. wind, at the sonth end of the Gut, and who are desirous of good and safe enchorage in 10 to 12 fathoms of water, may cometo on the north side of Bear Island; but, should it blow hard, to a gale of wind, down the Gut, this anchorage is not altogether so seoure as a careful mastor or pilot would wish. You must theu losve the road of Bear Island, and sail round the south end of Bear Point, giving a berth to the spit that runa off it, of 3 cablea' length, and hanl round to the N.E. into Sea-Coal Bay, and come to anohor in 4, 5 , or 8 fathoms, sand and muddy bottom.

The marks forranohoring are, Bear Head in a line over Flat Head, bearing W.s.W., or W. by S., and Oariton Cliff to bear N. by E. or N., in 5 or ${ }^{\prime}$ fathoms, where you will have a good berth and lie sheltered from the W.N.W. and N. wiuds. Here is suffioient room to moor ton or twolve ships of the largest class.

Ships coming down the Gut of Canso, whioh may have passed Eddy Point, as far as Oape Argoe, and oaught with a B.E. to a S.S.W. wind, and cannot hold their own by beatiog to windward, may bear up and oome to anchor in Tarbalton Bay, under Tarbalton Head, where they may ride safely in from 5, 0 , or 7 fathoms of water, muidy bottom. The marks for anchpring in the bay are; to bring the peninsula pointirla line over Tarbalton; Head, bearing S. or S. $\frac{1}{3}$ W.; or a point of land inland, a little up in the country, from Capo Argos shore, with pine-trees on it, open to the eastwand of Red Head; or the said point of land with pine-trees on it, over tho pitoh or point of Tarbalton Head; you are then sheltered by the rooks, or spit that runs from Tarbalton Head, in 4 to 5 and 6 fathoms of water, and will ride very safely on good holding-ground. But should the wind shift to the S.W. or N.W., you must take up your anchor, and beat out of the bay into Chedabucto Bay; and proceed on your passage to the south ward. Should the wind over-blow, at S.W., so as to prevent your beating to wind ward into Ohedabucto Bay, you may come to an anchor in Eddy Oove, bringing the low part of Eddy Point to hear S.S.E. or S. by E., in 5, 6, or 7 fathoms of water, taking care to give the ship sufficient cable, lest you drive off the bank into deep water, from 15 to 20 fathoms."
annem anchird is a large island of a triangular form. Its length is about 100 miles, and its breadth about 85 miles. In the centre of the island there is a large lake, named the Bras'd'Or, whinh penetrates a distance of nearly 00 miles, and occupies a large portion of its area ; by thls lake the island is nearly divided into two parts. The entrance to the Bras d'Or is formed into two passages, named the Great and Little Entranoe, by the long narrow istand of Boulardrie; the latter channel is impracticable for shipe, and is seldom used oven by boats. The shores of this lake or gulf contain yumerous bays and small harbours, in which timber is shipped for Great Britain. The open part, of it forms four large arms, of whioh the southern and the largest contains many tmall inlands, and terminates at the isthmus of St. Petor, which is about 900 'yards wide, and separates the waters of Bras drOr from those of the Atiantio at the Bay of St. Petor.
The tiatad is genorally mountainous, and the bigh land appears in many places olose to the coast, and on the shores of the Bras d'Or. Oape Ensume, 20 miles north of St. Anne's Harbour, is said to be 1800 feet above the level of the sea.
In that part of the ialand which is south-esest of the Bras d'Or granite provails. In all parts of the isfoth -aro found mios-blate, clay-slate, and sienito; transition limesone goyweike, sypsim and coal, are very generally distributed. The principal Boal fivla lies between Miray Bay and fydney Harbour, and contains the Sydney and

The N.W. coast of Breton Island, from Oape North to Cape Linzee, 18, in the inland $r$ parts of the country, very high, but in some places it falls gradually towaris the shore. Sailing along on this side of the island, from the northward, yon may safely atand in to the ditance of two longues from shore. Having awived of Oape Linzeo, and proceeding along the Breton shore towards the Gut of Canso, care must be taten
fathoms, muddy dd there you may
ng tho peninsula titil you open the ter harbour, and
T. or N.W. wind, anchorage in 10 nd; but, should 20t altogether 80 save the road of perth to the spit : Sea-Coal Bay,
bearing W.S.W., 10ms, where you wiuds. Herè is

Point, as far as hold their own Iton Bay, under thoms of water, the peninsula oint of land in. os on it, open to on it, over tho ks, or spit that ride very safoly J.W., you must and proceed on 30 as to prevent anchor in Eddy S . in 5,6 , or 7 u drive off the
th is about 100 is a large lake, and occuples a two parts. The reat and Little ol is impracticis lake or guif sped for Grat thern and the 3t. Peter, which a those of the
n many places 20 miles north o prevails. In nasition limeThe principal he Sydney and $r$, in the inland $y$ towards the ou may safely r Cape Lizzeo, must be taken
to avoid the Jndique Bank and Shoals, the former of which has $4 \frac{1}{\frac{1}{2}}$ fathoms over it, and lies about 6 miles southward $8 f$ Henry Island, at 3 miles from the shore; the Shoals are situated neariy 3 miles further to the southward, and extend $1 \frac{1}{\frac{1}{2}}$ miliss from the land. The mark for clearing all these dangers is the high land of Cape Porcupine just open, and bearing 8. ${ }^{2}$ E. of the east shore of the Gut:
The eastern coast of the island is commonly made by navigators bound from Europe to Nova Scotia; its appearance on the ses shore, and also to some, distance up the country, is barren and rooky; and the tope of the hills, being much alike, have nothing remarkable to distinguish them. The lighthonse and town of Louisbourg serye, however, to point out that part of the island on which they stand. \A lighthouse, painted -white, now stands on the east point of \&catari Isiand, and exhibits a revolving light, visible one minute and invisible half a painute. A lighthouse, showing a fixed light 160 feet above the sea, stands on Flat Island, upon the eastern side of the entrance to Sydney, and may be easily distinguishad from that on Boatari Island, by its being painted vertically red and white. Louisbourg Lighthonse stands on the eastern side of the entrance to the harbour, and in order to distinguish it from the other lighthousee, and to render it conspicuous when the back land is covered with snow, it is built square, painted white, with vertical black stripes on either side. The coast continues rocky on, the shore, with a few banks of red earth, whioh appear lese barren.
The N.E. coast of Breton Island, between Scatari Island and Cape Dauphin, is low; but, from Cape Dsuphin to Cape Ensume, it is high. Between Scatar Island and the entrance to Port 'St. Anne, a vessel may stand in-shore, to 15, 10, and $\gamma$ fathoms in olear wator with graduai soundings.

Blancherotte, or White Cliff, is situated on the sonth-eastern coast of the island, and is a remarkable cliff of whitish earth in lat. $45^{\circ} 30^{\prime}$, and long. $60^{\circ} 25^{\prime}$. A! 1 miles to the westwa of it is a small woudy island, at upwarde of a mile from shore, and off the little harbour of Esprit. The land hence to Madame Island is generally low, and presents several banks of bright red earth, with beaches between them. Albion Oliff, on the south side of Madime is rocky, remarkably high, and precipitous. of the interior of Breton Isiand, like Newfoundiand, but little is known.
When approwching the istand, from any direetion, too much cantion cannot be exercised on account of the currents setting alternately abont Cspe North according to the winds at sea, bofh from the westward and eastward.
GAPE NORTH is a lofty promontory at the N.E. extremity of Breton Island, in lat $47^{\circ} 2^{\prime \prime} 40^{\prime \prime}$, and long. $60^{\circ}$.2 $25^{\prime} 23^{\prime \prime}$ - The entrance into the Gulf of St. Lawrence is formed by this cape and Cape Ray, and the latter bears from the former E.N.F. $\frac{1}{+}$ E., distant 18 leagues: the depthr of water between, excepting near the Island of St. Paul, is generally above 200 fathoms.

From Cape Nortb to Ashpee Harbour the course and distance are S.W. $\frac{1}{\frac{1}{1} \text { S. } 6}$ miles. In this harbour veseeis may find sheiter, and good anchorage may be obtained behind the island, where bosts cun land, and water and provisions be obtained. For want of Inowiedge of such an establiehment, many have been obliged to endure both hunger and fatigue uniolieved.

At two miles to the southward of Ashpee Harbour is situated Aralsow Core, from which the conet run. 2 miles to the eastward, and then trends S.S.W.; 11 miles, to Nagunish Island, between which and Cape Ensume a good bay is formed, full 21 miles deep, with 4 to 9 fathoms in it. Another deep bay lies on the soiuth side of Cape Ensumb, nearly as large ant the former, with 7 to 10 fathoms in it: but they are both open to eastorly vinde. From Cape Ensumé to Bleck Point the course and distance are, S.W. by 8. 20 milee. Black Point forme the weetorn, and Siboux Islands the enotom gide of the entrance to SE. Anno's Harbouf.

ST. ANNI'S HARBOUR-This harbour whe named by the Frenoh, when in their powesilon, Port Dauphin, and in a very safe and spacious herbomr. It has but. a narrow entrance, and carries ty fathoms at-low wator, until jou join the beech. It
 5 to 10 fathome, muldy bottom.. On the north side the land is very high, and ehips-of-war may lio wo sar to the chore that a water hose may reach the fresh wation, and a ship may be lotiod in one day, from a casoade thich runs from the top of the rook. The Guarnsey and Jorrey mep dry their Hish on this bench.

Mr. Becthowe hes gtren the following directions for Bt. Anne's. Harbour:- "Ater
you have passod the Siboux or Hertford Isles, on the east side of the entrance, keap the south shore on board, if the wind be to the S.E.; and as you approach Passege Black bring Cape Ensumé, or Cape Smoke, which lies to the northward, nearly on with Point, off which lies a eunken rock, of 6 feet water, and are nearly abreast of Passage spit of St. Apne's Flat, and the narrowest part of the opposite to whioh begins the hummock up in the country, nearest to the phalt of the ohannel. Now keep a small which hummook is on the middle land from the wing high land to the westward of it, hut, or fishing-stage erected on the beach: this will lead in the best water fishingenter the elbow part of the beach. When advanced thue in the best water, until you (about the size of two gun-ports) whioh makes its appeas far, keep the opening open opening looks like two steep oliffe, with the sky appearing between them, and will lead you between the beach and the, with the sky appearing between them, and will fathoms, and past the beach-point, off ehore, in mid-ohannel, through 9 and 10 cables' length. Having passed this spit, oome to enphor in either to the 8.W. nbout 2 in from 5 to 10 fathoms, muddy bottom, and sheltered from all sinde of the harbour, LA BRAS D'OR. There are two entranoes to thied from all winds." Great Entrance, and the Southern, or Little Entrence the inlet, the Northern, or some yeare since by Mr. Thomes Kelly, pilot of the place; but the the described places he refere to are generally unknown, and of the place; but the names of the extant.
Sailing Direotions for the Grand Bras d'Or Entrana must give Point le Conie a berth of about 2 miles.-"Ships from the southward eastern end of the inside of Bird Island, until you bring and stoer from thence for the

1. Beach in one. Make for the Black Rook Point until Mou M'Konzie Point and Caroy's just open of Point Noir ; then steer for Gooseberry Beach until you bring a clearing on Danoan's Head over M'Kenzie' Point. It is to be observed, that ehips coming whirlpools on the of flood must keep Paint Noir well aboard, to avoid the eddy, and steer forseint Jane, to keep the fair which has various settinge. You must thenc there is fair anohorage in 7 or 8 fathoms, good holding-ground. Wheu abreast of the Round Cove, iteer over for Duncan's Head, good holding-ground. Wheu abreast of the Long Beach, until yon bring a tall pinead; and when abroact of thie head, steer for notoh valley in the mountain. You will then Upper Seal Ialand in one with a Seal Island, which will carry you clear of the shoals make for the point of the Upper Shôal, or Middle Ground. The marks for this ehoal on the islands, as also the South the eastern ond, and a white birch-tree for the western end. Whe in the bank for weitern end of this.shoal you may keep the middle, there end. When abreast of the come to Fed Head. If bound to Kent Harbour entere being no diffioulty until you -for a yemarkable red bank, covered with sour, after doubling the Red Head, steer house. entirely open of the beach which is on the bushes, until you bring Mr. Duffus's to $\delta$ fathoms in this harbour, and good holding-ground. There is a depth of from 4 Dirootions for that arm of the Lake namad St Patri kamagh.-From Red Head you will stoer well Pre Patriok's Chamnel and up to Whooavoid a mud-shoal which runs off from M'Ker's Prer for the Duke of Kent's Island, to. end of the Duke of Kent's Island, sail for Weseabat When abreast of the western Island. Then eteer for Cranberry Head so as to olear a shoal lying off frome We Stony Head; when abreast of Cranberry. Point, sheer well over for thing off from Wrasaback a shoal lying on the south side of the ohanneel well over for the Bell Rock, to avoid for Green Beach, observing to keop Baddock River when abre lst of the Bell Rock, steer. Green Beach. You will then steor for a opening of the Narrows; you meer then aneil through south shore, until you oross the until you come to the western end, when you mught he Narrown, keeping the middle (beach), keeping the south shore until en you must haul round the apathern shore of all, and in the Whookamagh Lake. Of the Anchorage through ithe Bras
 centre of the harbour, on 2 middle ground may anchor, in 6 or 6 fathoms, in the Table Island a bandepiko's levgth open of Bian the marke for which are, to bring the N.W. On the north eide of the harbour is gok Rock Point, and Point Jane bearing Soul Ielands, and to the eaotrward of the Upper Geal Iglande an far up as the Lowor
ie entrance, keap ppronch Passage d, nearly on with reast of Passage vhich begins the ow keep a small Westimard of it, iver the fighingwater, until you te opening open 3.W. arm. This them, and will ough 9 and 10 - S.W. about 2 of the harbour,

## e Northern, or

 thus described - names of the ny publicationthe southward thence for the nt and Carey's Duffus'e Stôre ing à clearing bhips coming the eddy and ou must then. d Cove, where abreast of the head, steer for in one with a of the Upper liso the South the bank for ibreast of the ulty until you 1 Head, ateer Mr. Duffus's pth of from
up to Whoot's Jsland, to. f the western ast of Stony Wasabact ock, to avoid 1 Rock, steer woll up with lou oross the g the middle
thern shore thon olear
lound-Oover oms, in the to bring the ane bearing the Lower ind to the
weotward of the same iBlends in 7 fathoms. There is no other place of anchorage from this to the Big Harbour, where you may ride in 7 or 8 fathome; from thence you may anohor at any time.

- Setting of the Tido in Grand Bras dOr.-The first quarter-flood sets from the northward, directly over the shoal, last quarter W.S.W., being direotly through the channel, and meeting with the tide coming over the shoal, sets toward the Black Point, Which ocoasions it to shoot across the Gut, making a number of whirlpools and strong eddies on each side of the ohannel, whioh alacks two or three times during the tide. The flrst quarter-ebb sets over the shoal to the north ward; last quarter direotly through the ohannel. N.B.-The tide of ebb is the fairest setting-tide. The tide runs in until half-ebb, and out until half-fiood, in regular tides; but the winds make a great g j" rimtion; N.E. winds make high tides, and S.W. neaping them; also tides runnjog but with S.W: winde until high water, and in until low wayor with N.E. winds Tides rise four feet, unless affeeted by winds. High water ter minutes past eigft o'olock, full andochange. Bearings by compass.

Observations.-Mesers, Duffus's store is a fishing establishment. M/r. Duffus's house is on Kent Island, formerly Mutton Island. The aforesaid Thomag 익y piloted the ship Pitt, of St. Kitt's, burthen nearly 400 tons, laden with timber, And gitining about 18 feet of water; gaffly through the foregoing described ctunnel fion $K$ ont Harbour.;

SYDNEY HARBOUR, formerly named Spanish River, the entrance to which lies 4 leagues S.E. of that of St. Anne's, is an excellent harbour, having a safe and secure entranoe, with soundings, regular from sea, in 5 fathoms. In going in, give the two points of the entranoe a berth of two or three oables' length, approaohing no nearer thagn 6 or 5 fathome. The soundinge are regular to each ahore to 5 and 4 fathoms. In the inner part of the entrance, Beach Point and Ledge, on the south side, are steepto; but Sydney Flats, on the opposite side, are regular to 4 fathoms. When past the Beach Point, you may run up the River Dartmouth to the S.W., and come to anohor 4. in any depth you please, in from 5 to 10 fathoms, fine muddy bottom.

This harbour is capable of containing the whole navy of Great Britain. On Flat Point without the east' side of the entranoe is the lighthouse before allnded to, in lat. $45^{\circ} 16^{\prime} 21^{\prime \prime}$, and long. $60^{\circ} 10^{\prime} 12^{\prime \prime}$. It is an octagonal tower of wood, 61 feet in height, painted vertically red and white. It exhibits a brilliant fixed light, at 70 feet above the level of the sea, whioh may be seen in clear weather at 5 leagues distance. Fish of various kinds, cod, haddook, dc., are oaught on the coast in great abundance. The tide in the hatbour flowe at 9 h ., and rises 6 feet.
South-egt of Sydney Harbour are Indian Bay and Windham River, both places of anchorag, and fit for small ressels to run into, although little frequented at present; southward of these is Morien, or Cow Bay, at the northern point of whioh is Flint Island; there is a plissage between this island and the main, with 14 fathoms water, but this should be adopted with the greatest oaution, on acoount of the numerous rocks under water that are scattered about. This bay is open to the north-eastward, and its head is enoumbered with an extonsive shallow flat, whioh dries at low water.

- Miray Bay is further to the southward, its entrance being between Cape Morien and the Island of Scatari; the bay is wide, and runs in 3 leagues, branohing off at its upper part into two rivers; there is deep water in it, from 20 to 6 fathoms, and olear from dangers, but it affords no shelter for ahipping.

SCATARI ISLAND lies in about the lat. of $46^{\circ} \mathrm{N}$.; its length from E. to W. is nearly 8 leagues, and its breadth about one league ; there is a channel between it and Cape Breton leading into Miray Bay, but it is too hazardous for strangers, and frequentod only by thowe coesters who are woll coquainted with its dangers.

On the east point of thic island, Whioh is also thie essternmost land of Breton Island, is a lighthouse, in lat. $46^{\circ} 8^{\prime} 18!$, and long. $69^{\circ} 40^{\circ}$. The tower is painted white, and oxhibits a revolving light, at about 90 feet above the sen; visible one minute, and invisible half a minutecalternately. A boat is kept to render eoceistanoe to vespis midisuresc and es oun to answor eignals, when requisite. The light should nover be brought to bear eantivard of N.N.E, nor to the gouthward of S.S.W., nor should it be approacbed nearet than $1 \$$ niles.
As vessels from Europe frequently first make the land about Scatari Island, the yovolving light on the eaptorn point will be found of great tervice. It appearn, by the late eurvey of the Sk. Petari' Bank, that in lat $46^{\circ}$ N. the veotarn edge of the baph,

$$
\because
$$


$*$
(f)


4
${ }^{14}$
in 40 fathoms, pebblem and broken shells, lies' E.s.E., or (East, true,) 111 milen from the lighthouse on Sotiari Tslapd. the womtrard of soatari Island, is very easy of access and egrems. In availing yourgoing in. The 'eant part of the harbour is the safest. The inh the atarboand hand fow ishermen only. Water is plentifur, but wood in searce. The inhabits consist of a lies nearly one-third from the lighthouse point, und has no more thag's Hoed Rock low water. The port side going in is the boldest. "an more than 3 feet on it at There' is a lighthouse on the eastern side of fathoms in-shore. It etands on the site of the the ontranoe to the harbour at 60 auoceeded by a beacoikj) and shows a fixed light, visible at sea, from off Cape Porthand to the sontheastern extremity of Cape Breton. The lighthouse (which is a square building) is paintod. White, with vertioal black stripes on either sido, in order to dis: tinguish it from other lighthouses, and to render it conspiouous when the back land
The following row.
veteole bound to Louisbourg written some yeara since, and miay etill be of service to the light to bear W. by N., or more northeriy, brom the eastward, they should bring ward, N. by E., or more northerly in orily, before they run for it; and from westWhich lie three-quarters of a mile S. by W clear Green Island and the Ledges, ontrance of the harbour, which is nearly half W. from the ligtit. When in the N.N.E. two or three cables' distance, Nag's Head, a sunken rook on the starboer W.N.W. for half a mile, to avoid the The N.E. arm of the harbour affords the delest anchorang W. by N: from the light. bears about S.S.W. W. from the revolving light on Scatari The light of Louisbourg GABABUS BAY.-From the entrance of louisbourg to Gulanid.

- the oourse is 8.W.W by W., and the distance more than to Guyon or Portland Yole, spacious bay, named Gabarus Bay, having a depth of from 90 to Between lies a Cape Portland, the south point of this bay, lis the dopth of from 20 to 7 fathoms. Off islote and rooks. About 4 leagues to the weetwerd of Gabarus Bay of dangerous Harbour, a narrow winding inlet, whioh emall vessels mas run Bay is the Forked Focked, and ' 5 miles south-weotward of this is the may run into, and lie landnotioed, named Cape Blanoherotte. The shore now winds to the white oliff, already Hinohinbroke and the Isle of Madame. ARACHAT, OR AROCHETTE. A of Madame, has two entranoes: the N.W. one Harbour, on the S.W. side of the Isle ${ }^{\circ}$ atternpted without a leading wind, as there is not very narrow; ought neyer to be her anchorw, should she be taken aback. Whet room for a large ship to swing to weotward frem Seymour or Jerseyman Island going in, give the ledge extending nearor than 8 fathome, and then keep an noar as a goosible in moth, not approaching it by the's.E. passage, ste日r for Point Marsohe, ro posmible in mid-ohannel. To enter cablec' length off; keep that ehore on boord, rounding it in 8 fathoms, at about two of water; until the ohuroh bears North; you will thy the same dietance and depth House) on the top of the hill behind the ohurch; then 800 a small bouse (the Dead the ohurch, and then etoer in that diteotion ; yon wring thuat on with the east end of ward of the Eleven and Fire-feet shoals, and also to the pass mid-way to the eastitw Head Shoal. Proceed with this marias, and also to the wentward of the Fiddlocomes on with the dark rocky extreme of on, nutil a red honse on Fiddle-Head Point. to the inorthward of the Twolve-feet Shosl, pind may heall E. \& B ; you will then be you will find exoellent anohorage on coft mud, opposity np to the weatward, where the middle of Seymour Ieland, in 10 fithomes. When mite to the low mandy beach on io necoseary to avoid the Cerberns, alrowdy desoribed, and for Point Marache care over it, fing about fof a mile S.W. by W. from the said point. ohon with 3 fathoma On Pi nt Mareohe, the enstorn cide of the omtrence point.
about 10 mill builatigg which shows a fixed light at 84 feet above the sene, vieible about 10 millee. From it Cranberry Lighthouee bears 8. $8^{\circ}$ E. ; Winging Point 8. $5^{\circ}$ W: ; Ragged Head, north shore of Chedabueto Bay, N. $79^{\circ}$ W.; Winging Point S. $5^{\circ}$
Head N. $40^{\circ}$ W.
marked that the Isles of Oanso, on the Nova Bogtlan side, are surrounded withimeny low white rocks and breakers. The south shore of Chedabucto Bay is iron-bound and steop-to;" ite north shore is of red clifts and beaches. Of the Gut of Canso, from the southozn entrance northward, the western shore, throughout, is high, rocks, and steep; the castern shore low, with beaches. From the north end of the gute the esstorn shore to Jestico, or Port Hood, in distinguished by high, rocky, red giffs. The opposite shore has several romarkable oliffs of gypsum, or plastor, whioh appear extremely white. Cape George, the western extremity of George's Bay, is iron-bound and vory high; ite summit being estimated to be 600 feet above the level of the sen.

PORT HOOD, situated on the western' side of Breton Tsland, is a safe harbour for frigates with any wind, but particuiarly from the S.W. to S.S.E. round by the northward; the anohorage is in 4 to 5 fathoms, mud and sandy bottom: here you may get both wood and water. The leading mark going in is, Cape Linzee on with the highest wand-hills that are on.the N.N.E. side of the beach, bearing N. by E. or N.N.E.: these kept in a line will lead you clear of Spithead, in 4 to 0 fathoms. On the opposite shore is a long and broad flat, stretching from the shore threequarters of a mile, named the Dean, to whioh you ehould not approach nearer than in - 4 fathoms.

At 6 miles S. by W. from Henry Island, the outermost of theislands forming Port Hood, and 182 miles E. hy S. $\frac{3}{4}$ B. from Gape George, is a small shoal of $4 \frac{1}{4}$ fathoms, named the Judique Bank, dlstant from the shore of Breton Island about $2 \frac{\pi}{3}$ miles. It is about three-quarters of a mile in extent, and has 8 to 7 fathoms all nound it. Within thic shoal, to the southward, are some reefs, which join the shore, from whioh the outermost part is distant $1 \frac{1}{2}$ miles ; they aro hamed the Judique Shoals, and have 5 to 6 fathoms just off their outer edge. To go olear of all these dangers, bring the high land of Cape Porcupine, on thie west side of the Gut of Canso, open of the eastern shore of the Gut, boaring S. $\frac{1}{2}$ E.

At 4 miles E: by N. from Cape Linzee is the Mabou River, which is wide at the ontrance and continues so fully 4 milea, where two etreams fail into it. On the eastern side of this river stands the village of the same name, from which to Cape Mabou the bearing and distanoe are N.E. 6 miles. At 4 leagues N.E. by E. from Cape Mabou lies Sea Wolves Island, which is about $1 \frac{1}{4}$ miles in length, and bold-to, and lies 2 miles from the ahore, having 10 fathoms water between. At 7 miles, E.N.E., from Sea Woives Island is the western point of Salmon River, and at 0 miles N.E. from Salmon River is Cape Beaque, At 3 miles to the north-eastwerd of the cape is the entranco to an inlet, which runs in south-wentward, 4 miles, near the head of whioh is a settlement; its ntrance is about half a mile wide, on the eastern aide of which is Chetooan Harbour, fit for small vessels. From Cspe Beaque to Cape 8t. Lawrenoe the bearing and distanoe are N.E, by E. 31 miles, and from Cape St. Lawrence to Cape North, the bearing and distance are E.S.E., 8 miles. Between theme last two oapes the land curves in to the southward: near the head of this bight are 12 fathoms water.
oy.maneryo mar.-Although Chedabucto Bay is not in the limits of this seotion, yet, as it is neoessarily traversed by vessels safling through the Gut of Canso, it will not. be considered out of place to make a few remarts on it here,
The buy is wide and specious, and bold-to on both shores and free from danger. On its southern side, whioh is high and noarly straight, are Fox Island and Crow Harbonr. Fox Island is small and lies near the ohore.

At the southern entranoe of the bsy, a lighthouse etands on Oranberry Island, castward of Oape Canso. It is an octagonal tower, 60 feet high, standing in lat $15^{\circ}$ $19^{\prime} 54^{\prime \prime}$, and long. $80^{\circ} \mathrm{b} 8^{\prime} 20^{\prime \prime}$; it is painted red and white horizontally, and oxhibits two fixed lights, one thove the other.

Fox Island Anohorage is one of the groatest mackerel fishery stations in Noorth Amerion during the month of Septamber and Oetabos. When-eniling in jautinut pass to the westward of Fox Ialand, giving it a borth of a quartar of a mile as there are rocks about it both above and upder water, with 8 and 4 fathomes alose to them. You mer anchor in from 4 to 10 fathoms, with the weet ond of the ialand bearing from E.N.E. to NKN. S, Keoping about midway betweon the ieland and the main. The water ohonle graduilly to the bir, whioh extende from the island to the shore, and has not more chan 6 or $Y$ feot on its deopeet part, drying in one plepo about onethird of the distande trom the ialand to the milin; "rith northerly and with wevtedy
winds, the fishing-veseels ride to the ematward of it in from 2 to 4 fathoms, and shift to the westward with eanterly winds.
Crow. Harbour, on the sonth side of Chedabuoto Bay, is capable of containing ships-of-war of the fifth-rate, merchant vessele, \&o. The bottom is good, and the mark for entering it is to keep the beacon, on the south side of the harbour, in a line with a remarkable fine tree upon the high land, whioh will lead you clear of the point of Rook Island. Milford $\mathbf{H}$
by a bar, but a vessel of marbour of Guisborough, at the head of the bấy, is impeded in perfeot security: the tide, however, bets in and out with Wreast rapiditr vessels lia is, at present, a place of little trade; but it is prout with groat rapidity. The town is shown, visible 8 miles.
settlements. On the northere north shore of Chedabucto Bay, the shores are full of this shore is sandy, with regular sounding in thay you will see several red oliffs; dypp, from 25 to 35 fathoms.
rowest rowest purt, at Cape Porcupine, at a rate of seldom lese than 4 or 6 miles an hour.
Here it flows, Along ehos, on the days of full sad ohange, át 91 h .
and, roanding that cape, proceeds towards the N.W. the tide sets toward Cape George, The tides are meterially affeoted by the '. N. times, the stream in the Gut of Canso has winds; and it has been found that, at cessive days.

事

## PRINOE EDWARD'S ISLAND.

This island is a distinot government, though subordinate, to the British com-mander-in-chiof in North America." It is well settled, and possesses a good soil, fit for all general purposes. The island is exempt from fog, while the surrounding coasts of Nota Scotia, Bretón Island, and New Brunewiok, are frequiently covered with it. The climate is generally, healthy and temperate, and not subjeot to the suthden ohanges of weather experienced in England. The winter bere sets in about than in England severe as to provent the exertions of the inhabitants in the smow-falls, but not so The weather is generally serene, and the sky clear. in their various employments. spring opens, the trees blomom, and vegete clear. In April, the ioe breaks up, the the face of the oountry presents a dolightful an is in great forwardness. In May, quick, that, in July, penee, to. are gathered which were sogetation is en exocedingly The pountry is generally level, or in rislng slopes, and abounde with spring of fine water, and groves of trees, Fhich produce great quantities of with springe of fine The greater part of the inhabitante are employed in farming of excellent timber, to. Town, situated botween York and Hillemployed in farming and fiehing. Charlotte island, is the seat of government.

Tho const formi numerous har veseols only. The principal loedingurs, many of whioh are, however, ft for small the Three Rivers, and Murray Harbouris are, on the eastery side, Cardigan Bay, or Bedeque Bey on the southern side; Riohmond Bey and Hojough Bay and River ;
from 50 to 60 thet high-OAPE EAST, composed of red sandstone; is a coliff and two-lirdi of colt distance to 8 pathoms. Great caution must bo ox fathoms, appromehing tbis reof, as the flood-tide tete strongly oration must be oxercised in from thence to the south-westward, at the rate of over it from the northward, anil froquentiy oaused by thie tide of the point; and a large ship at night or inge ann Wemther, should not approach the point nearar than 20 fathome. night, or in dark
heary off this point in N.E. gales. To the southward of the point, between!it and the of mat of East Lake, there is good riding with northerly winds.
To the southwerd of Cape East: there is an extensiva bank of 5 to 7 fathoms, bxtending in a N.N.E. and S.S.W. direction, abont sa milea It is named the Milne Bank, and is about $5 \frac{3}{4}$ miles long, with very irregular soundings ; towards its southern end, and close to the outor edge, there is ashallower part of $4 \frac{1}{8}$ fithoms, extending for a distance of $1 \frac{1}{8}$ miles, which bears between 8 . and S. by E. $4 \frac{1}{4}$ to $5 \frac{3}{4}$ milles from the cape. The mark for the northern end of this ihallow ridge is Souris and Dean Points in one, bearing W. by N., and for the southern end, Spanton and Chepstow Points, W.N.W. $\frac{1}{3}$ W.; these marks load over the ends of the bank in 5 fathoms, but are so distant that they cannot be.sein unless it is very fine weather. All round the bank there are 10 to is fathoms. It has ateop edges, and the sea breaks hearily in strong N.E. gales.

CARDIGAN BAY, or the Three Rivers, lies between Boughton Island and, Pan-. mure Island; it is the common entrance to three rivers ; namely, Cardigan River, Brudenell River, and Montague River. In the former there are from $\gamma$ to 8 fathoms of water, and in the others from 4 to 2 fathoms. George Town stands on a penin. sula between the Rivers Brudenell and Oardigan. In these places many large ships have londed with timber. There is anohorage without, in Cardigan Bay, in from 10 to 6 fathoms, where a pilot may be obtained.

Fisherman's Bank is composed of sandstoue, thinly covered with "stones, gravel, and broken shells. It is 8 miles long from east to west, by $1 \frac{1}{3}$ miles broad, within the depth of 10 ftho ; but the ghallow central part, of from 4 to 5 fathoms at low water, covers a half that space. The least water, 4 fathoms, bears from Cape Bear, the ne ${ }^{2}$ d, E.S.E. $\frac{1}{2}$ E. $7 \frac{1}{2}$ miles ; and there is another patch with 5 fathoms thre, of a mile farther eastward. It hes deep water all round it. In a gale, this baink shotuld be avoided by large ships.

MURRAY HARBOUR lies elose to the north-westward of Bear Cape; and the". entranoe is narrow and shoal, difficult of access, and with not more than 10 feet of
water. Vessels from the esstwerd and water. Vessels from the eastward, and bound to Murray Harbour, must avoid approaching too, near to Bear Cape, as a ridge of rocks' extends ont a full mile
from it.

The bar of Murray Harbour is exceedingly dangerous, having only 10 foet at low water; and easterly winds send in suoh a heavy sea, that broakers extend all soroos the bay, upwards of 2 miles. The channol in is buoyed and beaconed, but a pilot is at all times necessary to onsure sefety. From Bear Cape to the Wood Islands, a distance of 13 miles, the const is all clear; and near the shore is anchorage in 8 to 4 fathoms.

About a mile S.W. by W: from the Wood Islands are the Indian Rocke, nome very dangerous rocks, extending $1 \frac{7}{6}$ miles from the shore. There is almost always a rippling on those parts which dry, by whioh their position is generally indicated. Spring-tide run 3 knote near these rocks, and rise 8 feet; and it is high wator; full and obange, at 9 h .45 m . "At night come no nearer their S.E. part than 18 fathoms, as there are 10 fathoms within a quarter of a mile of thoir southern edge. There is a narrow clannel between these rocks and the shore, but of no use to mhipping.

The Rifleman Rocks lie $4 \frac{1}{2}$ miles to the westward of Indian Rocks, and are one of the groatest dangers in the strait. There are only 5 foet water on the ahoalest part, apd from its outer point, in 8 fathoms, Prim Point Light bears N.N.W. W., 8 miles. This shoal should always be approsiched with great oare, particularly
in loggy weather, as the soundings are very irregular, and there are in loggy weather, as the soundings are very irregular, and there are 16 fathoms within half a mile of it, with a less depth farther out. At night, Prim LIght thould not bo brought to the weatward of N.N.W.

The Pinette River, 4 miles eastward of Prim Point, has a rocky dangerous bar, and is fit only for emall echooners; the bir is notrly a mile without the one tranco, wnd tho shools run off a mile farther. These shoale are dangerous, and
should not be approwohed nearer than 6 fathome at low should not be approcohed nearor than 6 fathoms at low water. At Pinetto it is high water, full and change, at 10 h .; opringe rise 8 feot, noape 5 feet. There are only 2 feet water on the bar at low water.
y.osermonoveis may.-Prim Point is lows with olifft 10 to 16 foet high. The lighthouse ehowte a fixed light, 68 foet above the lovel of the moa at high wator, and may be eoon tor 6 loagues trom the deok; and is of great sorvice to veacole coming
from the eastivard, in guich ${ }^{\circ}$ them cloar of the Pinotto and Rifieman Shoale, and
yardisg them to enter Hillsborough Bay in the night. The lighthouse stands 100:
1.W., 7t miles; pand the west end of Governar'. Peter's Tsland bears from it N.W:

upon it uneren, pundinge Its north point ies 3 tward from Point Prim, and has 2 milee from th Mighthouse, and itt western point W. by, barra N.W. by W. $\frac{1}{2}$ W.,
 in the iatter depth anp the Block hoouse P Pint and and the marks to clear the extreme end Church at Charlotte Town in orie, bearing and the equare tower of the ${ }^{9}$ Preebbytarian always be seen, you must attend to bearing N. by E. it E. As these objectis oannot it, and the bearing of the lighthouse; in 3 leat, and you may sacely round the reef by draught of water.
St. Pattr's Ieland, on the N:W. side of Hillaborongh Bay, is about 3 miles in oiroumference. You may approach the south side of the island within 1 h miles ; but there are extensive, ahoals funning off to the eastrard from the isinand, in an E. by Apit lies the Spithead, thiswpit driess 2 miles from the island. Off the end of the head there ti a bencon-buoy. The western side of the the enctwatd of the Spitmiles, from the Spithead buoy to the Bestokn side of the ohainnel trende north, $2 \frac{1}{2}$ Oown Harbour. About half a mile S. byw. $\frac{1}{2}$ W. of Block-hourae Point liee the Bloct Rook, of 7 feet, having 14 to 16 foet around it;'the Governmenthouse and Block-house Point in one, just clears its east side Governor Island lise E. by N., 41 milos, from St. Peter's Island, and $\mathcal{S}$. by E. $\ddagger$ E., to some distencock of ouse Point. It is low, partly wooded, and surrounded by shoals ohoals, thé eastern side of is ind, lying near the centre of the bey, forms, with its as well as the western siide of the channel the ohannel to Charlotte Town Harbour, Governor Shoals extend to the S.W. from the ling to qrwell and Pownell Bays. The: al considerable distance from the island; to the westward these shallow patolues. nearly' 2 miles, to 5 futhoms' The Fitzroy buoy lies in 4 fathomi, aconale run oft within the end of the shoul? it lies with Buoy ligs in 4 fathoms, a cable' longth Presbytarian Church in ond N. byt. \& E. You may pans'on equare tower of tho buoy; but very large ahipg should pases to the wou may pack on either side of this 12 feet, lies 2 miles N. by W. from the N. WW peptward of it. The Squart Shoal, of be paseed to the westward. Huntly Rools of pre of Govarnor Island, and must also from the west.end of the ieland, and muist ho in foet, lies S. by W. $\frac{1}{}$ W., 14 millos Charlotte Town. Hillaborough Bay contains within it the pringipal harbour and oapital town. Charlotte Town is eitunted on the northern bank of the polipborough, a short distance within its entrance, and at the point where the degp watar approaches neerest to the shore, It is high weter here on the daye of full and ohange at 10 h .45 m ., generally lie of the thaty spring-tidee in $9 \frac{1}{2}$ foet, ond in neap-fides 7 feet. Ships generaly 18 off the wharres of the town, where the ohannef is nearly 10 futhoms
A pilot Ahould be procured by strangers bound to Charlotte Town, but if one eannot be obtainod outaide, the bay may be enteried and good anchorage will be found N.W. of Governor Ialand; until ane be obtained. Approcoching from the mesttord with a fair wind, bring the N.W. point of C rermor I Ioland and Rownell Point to tovah, boaring E. by N.; and run from thiem until the Preabytorian Church oomes E. or NiE. Biook-house Point, bearing N. by E. $\frac{1}{2}$ E.; when you must ttear, N.E. hy Gorernment-house according as it may bo flood or.ebb tide, uutil the west side of marks lead thp the deop-water channel to. Sea in one, bearing N. 1 E.; these latter bour. If the leading manks connonet be made out, toin Point, at the entrance of the har-
 When appronching from the eastward with a fir avolded by attending to the soundings in the ohart wind the giteman Roof must bo Prim Point to bear to the mestirard of N.N.W, And by not bringing the light on Reof by the lead in 10 fathoms; a minaller reeseal may arge ahip should pound Prim soundinge. When the light beare to the southwand $\alpha$ (2. by S. \& S, (thention to the
ir not less than the lowwater depth of 10 fathome, or when the porth side of Prim Island bears E. by S. the most northern point of the reef will.be pist, and the course across the bay must be North or N. $\frac{1}{3}$ E. at-night or in thick weather; the objeot being to strike soundings on the southern, edge of the bank off St. Peter's Island, and thon to follow it to the north-eantward in 5 fathomi, until about 2 mile forithin thie Fizaroy Rock, where there is axoellent snohorage off Governor Island, and whyte the vessel had bettor wait for daylight. In olear weather, your oqurse from the qutar end of Prim Reof, in 10 fathoms, will be N. V_.E. E. E., ghout 5 miles. To rus farther: up. a pilot is indispensable.
$\because$ The bearing and distance fram SL. Peter'l Island to Cape Traverse are N.W. 1 W. 20 miles. The shoal water extends off from the land a considerable distance al along this part of the coast, but the lead affords aufficient warning, and-in of fáthoms yau will bo full helf a mile off the outez edge. Tryôn River is situated about 01 miles to the eastward of Cape Traverse, and small schconers entor it with the assistanoe of the tide, whioh rises from 6 to 8 feet. The Tryon Shoals dry out $1 \frac{1}{}$ miles off shore, between Tryon and Brockelsby Rivers, and their S. W. extreme, in three fathoms, bears 8. by W. 1 W., distant -fully 2 miles from. Tryon Head, the nearest pert of the ishore. To clear the 8.W. point of the shoals in 5 fathoms, at the'distance of a lopt hilf mile, an excellent leading-mark is Carlton Head and Oape Traverse in one, bearing N.N.W 3 W. These shoals may be cafely approsoched to any convenient dephat, when firther eastward ; yet as the tides megtoff them, and cause variations in the strength and set of the streams, the lead ahould never be negleoted when in their vioinityf. The ebb from' Bay Verte frequently sots over towards these shoals, so that a vessel standing along the land with a scant southerly wind will often fand herself dropping to legwand Cowards them much faster than her usual amopnt of leoway-would lomat her to oxpeot.-
The bearing and distance from Cape Traveree to Carloton Head are N.N.W.t.W. 3 miles, and from thenoe to Sea Cow Head N.N.W. 1 W: 8 milee. Of theie headiands the shoal water does not extand beyond 300 fathoms; bnt in the bays its 8 -fathom edge is sometimes twioe that distapes from the shore; and as the line of fathomis is sometimes quita close to it, the general rule for vessels at night ghould be not to approach nearer than the depth of 7 fathoms.
BEDEQUE-HARBOUR is situated to the northward of Sea Cow Heed, and rune in to the diatward betwoen Indian Head and phelan Point. Indian Point, the south print of entranoe, is faced by seindstone oliffe 25 feet high. As the ontrance to this harbour is narrow and, intricate, a pilot is requisice; althoughy; when finside; there isf sufficient wator for the largest ships, Until a pilgt eain be obiaimed, a vestel shoula apchor in the roadstead outaide, where there, is safe anchorage during the summer monthi in 22 feet at low water, sand ang clay bottom, ditiough open to s.W. winds. In appronching from the eastward with an er worly wind, Sea Cow Head'miny be axfoly rounded at the distmace of two or thiee cables, and Graham Head may be paseed, at twice that distance. It is high water in. Bedeque Harbour at 10 h , thd rieo being 8 feet in spring-tides and 5 foet ta neap-tides.
From Sea Cow Head to Oape Egmont the bearing'and distance are N.W. Z W. 14 . miles; between tham is a bank of 31 to 4 fachoms, whioh extendty fully 8 milion from the shore; when abiout midway between-the politits, you mety eafely keep along itos sóuthern edge in 5 or 6 fathoms. - A roak, 30 - feen high, named the Dutchman, will be soen abont a mile to the northward of Oape Egmont, at a cablo's longth from the shore. 'Oliffis of randetone, 50 foet high, rendor Otpe Egmontia remarkable homdinnd: the cape is bold to the southward; but there is shallow tooky ground, half a mile pff shore, to the westward, which should not be approwehed nowrar than 6 fathome at low water.
At 41 miles to the eastward of Cape Egmont are Fifteen Doint Ohumel and Village, which wtand near the shore and acn be peor at a great distanceg. A low rook abome water, named the Little Dutohman; lies at the extre ty of the point obe mile to the
 shore. Sandbury Cove, 9 miles to the eisetwand of Cape Egmont, is an oxiandive place, but neprly dry at iow water.
The Egmont Bank (4 fithoma Jeat water, is narrow, and 21 milos long in a E.8.E. and N,N.W. diroction. Itg northern ond boare W.N.W. + W., 6 miloes from Oape Ey mont, and its eouthern ond W. $\frac{1}{8}$ S., 4 miles, from the sama boadland, and. truit an an
 -Egmons Bay, which affords excollent anchorage with off:ghore winds in from 4 to 7 fathoms, sand and oicy; but vessele ahould not anchor in lese than 5 fachoms any$8 t$ fathomepting on the N.W. side of the bay, beoause there is rocky ground, with only the distance of 3 miles from the shore, whilst along thithin the b-fathom line, and at be too near the edge of the shofls. On, whist along the eastern shore 5 fathome would Rivers are sandy places, dry atiow wn the northern shore of the bay, Wolfe and•Brae
The Percival and Enmor Rivers are
approach to them is very difficult. On the eniy fit for boats and small araft; and the these rivers to within 3 milos north, of Cspe Egmont the bay, from the entrance of to the depth of 8 fathoms; $5 \frac{1}{2}$ fathoms is near enough for s ship to run off a full mile. of Egmont Bay. Jaques Churoh, 5 miles north of Care a ship to approach this side minted.

The West Point consists of tand-hills 12 feet high, and there is gaod anchorage under it with winds between norih and east, in 4 fagh, and there is good anchorage Spit rune off in a N.N.W. direotion, 3 miles from Weast Point ; on sdme parts of it there are only"a few feet water, on a bottom of sand; the niorthern part of this trends N. by E., perallel with the shore, with 21 , to $8 \frac{8}{8}$ fathoms on it. Between thas spit tinds the land there are from 6 to $\leq$ fathoms, open to the northward, but no ontiet to and southward. To avoid this opening when coming from the northward, and to keep without the West Reef, come no nearer the shore than 12 fathoms.
The West Reef is a natrow rooky reef, 4 miles long, in a north and south direction; its soundings are irregular, being from 5 tc $2{ }^{3}$ fathoms: the least water near the middle is 16 feet, and there are 18 feet near the south end; this latter part bears N.W. $\frac{1}{3}$ W., $9 \frac{1}{3}$ miles from the Woist Point, and is 2 miles from the nearest land; its north end in $4 \frac{1}{8}$ fathoms is $8 \frac{1}{3}$ miles from the land. This reef is very dangerous to ships its outer edge, having 13 fot night, or in foggy weather, as the deepest water is near certainty, the soundings ehould be alose to it in one part. At night, to avoid it with edge of the bank in 9 or 10 fath be taken from the main lapd; and by keeping off the the outer edge of the bank, the tides run will pass 8 miles to the westward of it; near a woather tide.

The NORTH POINT is low, with red oliffs. Vessels should alwsys give this point a wide berth at night, or in foggy weather, on account of the reef which runs off from it to the north-eastward fully 2 miles to 5 fathoms, and $1 \frac{1}{4}$ miles to 3 fathoms; without causing a dangerous breaking see soundings extond out to 10 fathoms, sometimes From the West Point to the Nor. Capa Wolfo, then N.E. by E., 27 miles the land trends about N.N.E., 6 miles, to posed of red clay and sandstone oliffs, This coast is unbroken, and ohiefly coma considerable distance, so that large ships at night eh runs off some of the pointe fathoms, when running along this part of the cosat sht should keep off in 11 or 12. generally, excepting a few plaoes off the bers of the here of the island the anchorage being of, red sandstone, thinly ofvered oconsionally with sans, is very bid, the bottom sholls. The entrances of the harbours are nesionally with sand, gravel, and broken bars of sand at various diotancess from are nertow betweon sand-bars, with dangerous with the exception of Richmond Bsy and Coseumpey are only fit for small vessels, safoly run for in bed weather, and with a heary sea rua, and oren'these could not be ors on their bars extend quite across, loaving no visible ong, at whioh time the breakof the ioland forms a greeat bay, out of whing no visible ohannel. The northern ohore render it very difficuitw extricate a ship when set of the tidee and the heavy sea quentily pocur towards the fall of the year when oaught in the N.E. geles, which freand duration, at suoh timee proving futal to many vessels. blow with great strength From North Point to Cene Kits ral to may ressel.
milos. The River Tignish lies about midway betwa distance are S. by W. $\frac{3}{\text { I W. }} 11$ tranoe at low water, but it affords shelter for fetween, and has only 2 feet in its onand Cape Kildare there are rooky irregular foundings-boats. Between North Point cutending a miles off shore. OASOUMPEQUE HARBOUB is nituated 6 miles 8.W. $\frac{1}{2}$ W. from Oape Kildare.
iiles ; betwegn is 8 in from 4 to 7 15 fachome anyround, with only om line, and at 5 fathome would Wolfe and ${ }^{-B r a e}$

1 oraft; and the the entrance of on off a full mile prooch this side 3 conspiouously
raod anchorage pd. The West tme parts of it tof this trends on the apit and - outlet to the rd, and to keep
outh direotion ; water near the art bears N.W. and; its north orous to ships water is near avoid it with reeping off the ud of it; near heary sea, on
ive this point runs off from ome; without 18, sometimes
E., 8 milos, to ohiefly com. of the points in 11 or 12

10 anchorage l, the bottom and broken th dangerous mall vessele, could not be ne the breakrthern ohòre e heary sea , whioh freeat strength
W. 3 W. 11 $t$ in itw onVorth Point frequencly

Soreral very high send-hills, of miles to the southyard of ity ontranco, distinguish this harbour, tas there are no high sand-bille to the northward of the harbour. The, ontranco is 180 fathoms vide, and there are two sand-bars, with 10 foet on them at low mater, pipon whioh acoount it is absolutely neocemary for a etranger to be provided with a pilot. It is high wetor here on the days of fall and ohange of the moona at Sh . 40 m ; rise in ordinary apring-tides is 8 foot, and in neapp-tianon 2 feot; but thif is not regular, and 12 feot over the bar at high water is all that con tbe mefoly rockoned upon on any particular day, unleme whon atrong ensterly winde rice tilo water a foot or more in all the harbours on thic conat. At oertain seisonss the tiflos are very irrogular. The morning tides in eummer are muoh highar than the evening tides, whioh sometimes disappear, leaving only one day tide during the 24 houra/
RICHMOND BMY in of groat extent, runuing in 10 miles to the 8.W., nad /oontaine seven idlands and a number of oreeks and rivero; come of whioh aro' navigable for vesels of considerable burthen, and all of them by emall craft and boato. (frand River, where there are fine settlements, oan be asoended a distance of 7 or 8 milen. There are also setllements at Port Hill, in the N.W. part of the bay withlo Lonnox Island, a settlement on Lennox Island, and large settlements at the head of tho bay.
Macrepuz Hizbouz, sifuatiod on the enstern side of Riohmond Bay is very superior to any oither on the northern coost of the ioland. These are generflily 14 to 18 foet over its bar at low water, and from 18 to 19 at high water, ordincy springs, with spaoe end depth enough within for any description and number of verpela. The. prinoipple ontrance is botwoen Fiehory or Billhook Island to the northmard, and the Rojalty \$add, which dries out full half. a mile from Royalty Point. Just within this entrance the anohorage is good and well sheltered.
The Weit Gully is the other eptrance; it lies on the N.W. side of Fibhery or Bill-- hook Island, and is so narrow and intrioate as to be only fit for boatts ar very small craft, although it has 9 feet on its dangerous bor 1 miles out from thg ehore.
The Bar of Malpeque runs off from Fishery or Billhook Island, E. by A., $2 \pm$ miles; it then rune to the southward, so ons to join the shore to the eastrward of Oape Aylee. bury. Thie bar is oxcoedingly dangerous in bad weather, the boftom being sandstone; then all rigns' of a ofinnnel are oblitarited by heary breakeve. The northerm part of this bar, to the distande of $1 \frac{3}{3}$ miles to the eastward of Billhook Island, is very shallow, baving in some places only $\&$ feot at low water.
Vessels may anohor outteide the bar, in 7 to 5 . fathoms, to wait for a pilot, and ail strangers should endearour to obtain one, and not attempt to take the ber in blowing weather.

The tides run the atrongest at the entrance to Riohmond Harbour, and here springs run 21 krfots; within the bay they are much weakier. It is hilgh wator here on the daye of full: and ohange, att Bh.; springs rise about 8 foot, peepp 2 feet- N.E. Winds rase the tides and westerly winds the contrary; The morining tides are the highest in sumper months.

Between Riohmoud Bay and Cape Tryon the cosst is nearly straight and froe from detached dingers; but a large ship shouid not approach nolater than 6 or 7 futhoms, tethe shallow water rans out a considierable distanco. Oype Tryon is a remarkable cliff of red candstone, 110 feot high; at $1 \frac{1}{2}$ miles, 8.s.E., fom the cotpe, is Grop rillo Harbour.

GRENVILLE HARBOUR.-The entrance to this, harbour is onethiri of mile wide, and 8 fathoms deep; it is oituatod at the northy western extremity of a long range of sand-hills, the highest of which it 56 feet Athovo, high-waior mark. Tho. harbour is only fit for email vesmale, des there is a ohiftihg sand borr, ovor whioh there are sometimesconly, f feet water; and the ohannel in is warrom. The bar oxtonds out to the diecionee of two thirrds of a mill from the ontraylos, and the shanllow water one mile, at which distance there are 5 fathome over sand botiom.
At 8 miles 8.E. I E. from Capo Tryon in Cape Jurner, the highest oliff on the dand, boter 130 fot tight
GREAT RUSTICO EANRBOUR. - Thio harbow/ has tro narrow sandy entranose, on either cido of MoAualin Inland, whieh arv distant's and 8 miloe respeoctivoly to the 8.E. of Oape Turner. Very dangerous shifing fars of 4 to 0 f foth, and exiondingthreequartiors of e mile from ohore, ronder this place only fit for small eohoonorit. Trop buoyn, whope poaitione arte ohangod an coopesion requirem, point out the line of doopont watior orer panh of theo bara.

At 2 miles 8.E. from Oupe Turner is Stanhope Point; on whoh there is a smadhif 80 foet highil 4 dangeroug reef runs out from it throe-quatters of a mill the ithio depth of 3 fathoms, atid one mile to $b$ fathoms. There is oniy one foot of watoi'oin some parti of this reef; at a distanee of $\frac{7}{}$ a mile from the shor of Litule: Rustico 'H drbow, whith is onty fope Point liea the zarrew sandy ontrance TRAOADIE HARBOHT 4 miles from Skantiope Point. 4 rematheble ratien by Es, Arqm Oape Turaer, and lies ion the cust adde of its entrumces The raige of adnd-hill, 00 or 60 foet high, extends out threequiartert of a mile from the of sand shitts fin heary' galos, and place is only at for emall oraft and even they ontranoe, with 5 . 99 feet on its The furourable weather, to take the bar with safety. Wire the assiotpince of buoye, and milen wide, and 2 fathoms deep. SAVAGE HARBOUR lies 9 mi
at low water over its bar, and is only fot tor eastward of Tracadie, cad has only 2 foet 8T. PETER'S HARBOUR derable extent. Afthough it ries 3 miles farther to the eastward, and is of congisome parts of 8 fachoms, yot as ita bar miles in a 8.E. by E.ditection, with a depth in barbour is only fit for sinall vessels: the sand hats only 6 feet over it a low water, the two-shirds of a mile from the sbore. The outer edge of the bar; in Afathoms, is distaint of 5 feet at low water could be carried, channel through the bar, in which this depth water hore on the daye of fall and ofiange of the ebift in heary gales It is high 4 feet, henps 2 feet.

From 8t. Peter's Bay to Capor - 0 . apringe Yise unbroken and formed of ned ape East the coast. runs E.S.E. 88 miles. The ooast is within one mile of tlie shore of this done siffas. There are in general 10 fathoms water stone, the anohorage is consequently bad.
land 'Strait, Capt: Bayfeld sars:-Ayp-TIDES.-Of the tides in the Norfhumber; The principal tide-wave, foundland, sends off, lateraht entering the Gulf between Cape Breton and NowIslandsl The first of these, Which I she the 8.W., on either side of the Magdalen those islands and the western shore of call the eastern wave, coming from between enfranoe of the 'Stralit soon after $80^{\prime}$ oloch Cape Breton Island; arrives at "the, eastern water Iater in succomion from east to hours. At the same nominal hour best as far as Piotou, whioh it reaches at 10 arrives at Cape Tormentino, having, but 12 hours later, the other or western wave takon to the northward and'thaving been retarded by the long détour'whioh'it has comparatively shallow water which it haf the Magdaler and by the great axtont of S.W: Thie wave make high water. lator in evocesion sabsequent progrese to the coast of Now Brunswick, as we proceed to the socssion at places along the eastorn 8trait, from N.W. to S.E., contrary to the to the southward; and, after ontering the Thus, it is high tater on the full and oheurse of the other or eastern ware. Point Escuminao and the North Point of Pring days at Misobu at about 2t hours ; at
 at 6 hours; at Shedies 8 hours; and at Cape the went point of Prince Edwand I Eland the eastern ware arrives between Pictou eape Tormeutioe 10 hours. When, therofore; the preceding tide-wave arrives bet Pictou and the Wood Islands, the weetern part of then meet, and combine to make high Cape Tormontiue and Cape Triverse. They little later in the harbours, all orer the centrel same' hour, namely; 10 pours, or a Cape Tormentine; causing sleo over the central portion of the Strait.from Pietou'to double, and tin somo of the harboure neant of rise of the tides everywhers more than at either entrance of the Atrait. nearly three:times as great as that which ocours The ecistarn fiood streem on
21 knots round the East Pointere the Strait from the N.F., running at the rate of offing end ovar towards the sinth Prince Edward I6land, but is midoh weaker in the intersing rate along the land to the westward; to rums rourd Cape Bear, and with an land, and runs at its extrome rate of $s$ knward; is'strongest in the deep water near the Reef. Losing stringth as it proceede firthelose past the Indian Rooks and Rifieman When it meets the other flood streenm of the to the N:W., it is quite a weak stream is not so strong along the southern or Nopyon Shoals. This enstorm flood stream is not so strong along the southern or Nove Seotia shores tinfest it bo in Caribou
rere is a sand-hill of min mile to itht foot of watit on. - sandy entranes lape Turner, and or 60 foet high, reary'galos, and fet on jt The of buoys and the harbour is 8
$d$ has only 2 foet
and is of conal:with a depth in low water, the toms, is distaint fich this depth of It is high springs rise
The coast is fathomg watêr tom is of pand-

- Northumberton and Newthe Magdalen from between t the, eastern - making high reaches at 10 westorn wave Whioh it hes reat extont of rogress to the Ig the eabtorn ontering the ware.
21 hours; at tho western. dwayd Island en, therofore; stern part of verge. They 0 bours, or a om Pietor' to - more than thioh oodurs
$t$ the rate of eaker in the and with an ter near the Id Riflemen cuk stream lood streem in Caribou

Qhannel for a ehort speoe near Cerribou Reof; and it is week, not generelly expeeding har is knot; in the middle of the strait.
The of her ar westorn flood atream comes from the northward, along the weat conat of Prince Edward Island, awreeping round the Went Point, and running etrongeat in the deop 中ater ndar the Weat Reef; whore its rate is $2 t$ knots. Oror towarde the New Brunuwiok shore ite rate celdom exceeds 11 knott, and this is ite average rite as it pursues its coiurse to the S.E., until we arrive near Cape Tormentine, whace the strongest part of the stream runs near the Jourimain Shoals, and thence to the southward round and over the dangerons Tormentine Reefs with a great ripple, and at this* rate of 3 knots.

From shis acconnt of the tidal-streams it appears that a fast-sailing vessel, under favourable circumstances, might entor the atruit with the flood, and, arriving at Cape Tormentine soon after high water, might there take the ebb, and thus have the stream with her, with but elight intoiruption, from one end of the Strait to the other. Or, a vessel beating with the flood, might so time her arrival at the same point, as to be able to continue her voyage in the same direction with the ebb. $\qquad$ $\rightarrow$
The following direotionis for navigating the Northumberland ${ }^{\prime}$ Strait are by Capt. H. W. Bayfiold, R.N.:-
"Vessels bound to Miramiohi, and the porta in the Strait to the westward of Cape Tormentine, after entering the Gulf on either side of the Island of At: Paill, uavially pass to the southward of the Magdalens, and round the North Point of Prince Ed ward Island. The reef of this last-named point is exceedingly dangerone; and the lead should be kopt constantly goling when approtching it at night or in fogigy weither; bearing. in mind the probability of having been proviously set to the southward ip orocaing from the Magdalens, especially if the wind has been'from the northward.

Under the same circumstances, ifter rounding the North Point, the ooute athould be shaped well to the westward, so as to ensure doering the Weat Roef, whioh ehould be passed by the lead, running along the edge of the benk off the New Bruniowick shore. Proceeding south-eastward; after having passed the Weat Heef; the lead will afford sufficient guidance along either shore, reference beirig had to the woundinge, until we arrive near the narrow part of the Strait at Oape. Tormentine:

There, if the vessel be bound farther to the esstivard, the whore of Prinoe Edward Islend should be preferred, the soundings on that side being. quite sinflicient to guide the vessel past Carleton Head, Oape Traverse, and more partioularly the Tryon 8thonas; if the irregular tides off the latter, and the frequent wet of the ebb stream towards them; be remembered. The tides, however, in this narrow part of the Strait, are not very strong along the Prince Edward Island shore, off which the anchgrage is good, in the event of the wind failing; whilet on the opposite shore there if deep weter', and wery strong tides close to the Jourimain and Tormontine Reefh

If the wind be edrerse, or sonnt from the southward, with the ebb tide running, a stranger had better not attempt this narrow passage at night, or when the land dannot be seen. Under such circumstanoes, it is recommended to anchor to the weistward of Cape Tormentine; till daylight or a change of tide renders it lesi hevirdous to prodeed. Vessele bound to ports in the eaqtern division of the Strait, enter the Gulf aither through the Gut of Canso or by the Faland of St. Paul. In the first ocse; the bearing of the light at the northern entrance of the Gnt will guide thom up to Cape George, from which, if bound to Pictou, there will be no difficulty in running along the land to the westwird, if due attention be paid to the soundings, and afterwarisy to the bearing of Pioton Light. If the weather be thick; or the light not seen, beware of tho reof off the east end of Piotou Island, which should not then be approsched mearer than the depth of 10 fathoms, eapecially if the flood-tide be running.
Vessele approaching from St. Paul's, and entering the Strait :at the East Point of Prinoe Edward: Islind, should not approach the lattor nearer than 20 fathoims in' aark nights or thiok weather.
Capo - Hoas mad its - reol-should-not-be rounded in lem than 15 fafhomes, indaz the same ciroumstances; and then; if bound anywhere to the westivard of Fheton; the vossel skiould be hept more over towirds Piotou' Island and the southorn shore; where the soundings will guide her, till the Indiah Rooke anNRilleman Reof are pasied. The Light on Point Prim will greatiy assiat in paseing the laet-namodidangor, after which the load will again afford suffoient guidanoe along the Prinioo Edward Ialand Ahore, past the Tryon Shoels, and through. the Strait to the north-weatward.

148 NORTHERN SHORE, FROM THE RIVER ST. JOHN
On the opposite, or Nova Sootian shore westward of Piotou, the prinolpal dangert to be avoided are the Middle Shoals, between Pictou Island and Caribou, Amet Iajend
the soundings, and thenghoal. The approsch to all these is. suffioiently indionted by chart, will enable the intelligent seaman to of the lead, and a oareful reference to the to oonduot his vescel to any of the harbours of this at all times in safety; and also obtained."

## PART IV. RIVER ST. LAWRENCE.

## NORTHERN SHORE, FROM THE RIVER BT. JOHN TO THE SAGUENAY.

Froy the River - St. John the coast runs.W.N.W. 60 miles, torthe River Moisic, and, although appearing bold from a distance, it should not be olosely approached, Magpie und Bason Biversingerous rocks lying nearly a mile from the shore. Betwed, to the shore, and from thence to Poins are considered to be a sufficiently near approach to, and have this depth within a mile of themarles 40 fatboms, as the rdcks are steepRIVER ST. JOAN. The a mile of them.
$64^{\circ} 28^{\prime} \cdot 80^{\prime \prime} \mathrm{W}$., and is 130 fathoms rider of this river lies in lat. $00^{\circ} 17^{\prime} \mathrm{N}$. , and long. a mile, and then narrowe again, running several leegiately within it increases to haif cliffe of sand and gravel, over cley, with small leagues up the country between high shitting with every gale of wind, lies at the distanandy islands occesionally. A bar, having 7 or 10 feet on it at high water, according as it malf a mile from the entranoe, it is rendered quite impassable during southerly as it may be neap or.apring-tide; very heary surf. Good anohorage mas be procurd westerly winds, whioh cause a may eafely approanh by the lead. At 11 miles to the outside the bar, to which you is Mount St. John, an isolated saddle-backed to the north-eastward of the entrance water, which forms an excellent mafl for the river 1416 feet above the sea at high At the distance of 8 miles, W.N.W.' from ther. betrrean which lies Magpie Bay, whero from the River St. John is Magpie Point, shore winds, in a moderate depth of water anchorage may be obtained with off: northern part of Megpie Bay, and is a rapid Magpie River disembogues in the Nearly a mild west of the river is a rocky shoal at a quith a very narrow fontrance. on which the sea breaks. At $3 \frac{1}{3}$ miles, W.N.W. $\frac{1}{2}$ W., from Magpie Point is Ridge Point, off which a long nt one large and eoveral fathoms, extends 4 miles to the westward, having within the soa briaks very heavily on it About 11 miles farther to the wectusioning great risk to large veseels. remarkable barren hills on either side of it Sawbill River, easily recognized by the entrance. It. affords shelter to boats and small also by the clay cliffs just within the very fine weather. About 9 miles to the southeostors, and can only be entered in sand, gravel, and hroken shells, of 38 to 50 fathomerd of this river there is a bank of betreen it and the hhore are upwards of 60 fethoms water, of which cod-fish abound: About $7 \frac{1}{2}$ mile to the west upwaras of 60 fathoms
shelter for boats, which can only enter whill River is the Shallop River, affording Sandy Riveriti miles farther westward, then there ie no surf. Off this, as, well as of wator, some of which lie fully half a mile from the etral rocks, both above and under

mo
on oho may. be readily known, even at a distance, by tergest on this part of the coast. It cne of which is close to the enstivard and the by two remarkabie patehes of olay oliffs, of the entrance. At a short diatance within the entrance of the river north. onestward of the

## JOHN

rincipal dangeri oou, Amet Ialand atly indionted by referenco to the safoty; and also $s$ will readily be

## saguenay.

River Moisic, ly approached, 10re. Between near approach dcks are ateep-
N., and long. reases to half between high ally. A bar, the entranoe, r.spring-tide; thioh cause a to which you the entrance $\theta$ sea at high
agpio Point, aed with off: gues in the owentrance. In the shore,
rhich a long ving within nd at times ized by the within the entered in a bayk of sh abound:

TO THE SAGUENAY.
most megnificent waterfalls in Lower Oanada, whioh falia 113 feet perpendioulaits in ono unbroken sheet of water. In fine wouther, and with off-shore winds, goed an- ohorage may be procured off the river in 15 fathoms, with the entranoe bearing N.E. - E.; but small ressels may anohor farther in-shore. A amall rooky shoal lies W. by N., 24 miles, from the entrance of the river, about three-quartars of a mile from the land.
About $10 \frac{1}{4}$ miles from Manitou River is Bacon River, having a espit of large stones running put about 150 fathome from ite east point of entrance. It is only ft for boats, and there are rapids within a short distance of the entrance. At If miles from this river is, Cape Cormorant, $5 \frac{1}{2}$ miles from which is Blaskowitz Point, haviog between some islets joined to the shore at low wator, off which at abont a mile from the shore is the Cormorant Reef, having 12 feet on it: this reef bears W. I N., 2 milee, from Capo Cormorant, and lies with Points Bleskowitz and St Ohariee in one, W.N.W. nearly, so that -vessels ion approaching should keep the latter. point open. The coast to Cape St. Charies is lined with rooks, and must have a good berth given to it.
Point St. Charles forms the eastern point of Moisio Bay, and has a dangerous reof ruoning off it, some of the rooks of which are above owater, but the outermost patchea are always covered; these latter lio S.S.W., three-quarfers of a mile, from the poiot. This reef is so steep that there is no warning by the lead and. very little by the deep-sea lead. Vessele beating here should guard againit getting becalmed to the westward of this roef, lest the heary S.W. swell ahould carry them towards the reef, for the water is too deep to anchor until olose to the breakers.

Moisio Bay is about 11 miles in extent, with a depth of $\mathbf{5 0}$ or 60 fathome betreen. Point St. Charles the eastern point and Point Moisio the western point. Trout River is nearly in the centre of the bay. The eastern shores of this bay are rocky; bnt the western shore, from Trout River to Moisio River, is a bold sandy beaoh. Stolter for amall boato is afforded in Seal House Cove on the enstern side of the bay.

At Point Moisic is the Moisic River, which, although larger than the River 8t. John, is so much obstructed by sand-bars thst boats cannot ascend at low water. From the eastern point of entrance i $\dot{\text { ber runs half a mile and dries at halftide, close }}$ to which are 40 fathoms of water. A bank runs off, in a weaterly direction, st miles, from Moisio Point, and forms a large triangular shoal, of from 1 to 2 fathoms, having near its S.W. extremity the Moisic Rook, of only 9 feet, whioh lise $1 \frac{1}{2}$ miles from the shore, and is vilagerous, being is boid as a wall on the south and S.W. side, and cen generally be seen in fine westher, from the change in the colour of the Trater.

- When a vessel is standing towards this rock, she should taok when the north side of Manowin Island comes on with the south side of Great Boule Islend; bearing W.I.W. 4 W., as then she will be a mile from the edge of the shoal.

At 9 miles, N.W. by W., from the Moisio Rock is Sandy Point, having Boule Bay between, into which vessels should not venture, on acoount of its exposure to the sootherly awell. Near the ceintre of the bay are the East Rocks, alwayn above wator, low, and bare of treen.
 the name to the bay, which are high, steep, and thinly wooded, and maiy be seen 7 or 8 leagues off. The two easternmostislands are named the Great and Litte Boule, and are separated by a nerrov ohannel, whioh is considered to be unsafe; on cocount bf the baffing winds and strong tides. Weutward of thew and parallel to them are the Basque Islande and to the south-westward of these are'Manowin und Carousol Islands. Thus there are altogether six islands, and they are all of considerable hoight; the soventh island, so oulled, is the peninsula forming the wettern part of the bay, whioh, at some dietanco, appears like an ialind, and io estimated to be about 730 feot higho., Between Manowin and the peninsula ire the Weat Rooke, which are small and low.
80ven riands Bay 18 d\% miles wido. A ino browd, bola, Bandy beath oxtondo for three miles northward from the oast point of the bay to thi entrance of the principal river, near which stands the Hudeon Bay Compeny's trading post, Yon eacinot soe these bouses from the outer parts of the bay; but there is a woodyerestore on the beach, ofir which ressele asually anchor. This fine bay is sufficiently extoindre for the largest fleets to lie in perfoct safoty, and so nearly landlooked as to retemble a luke.

## 150 : NORTHERN SHORE, FROM THE RIVER ST. JOHN

Thise' ure three ghinnals leading into this bay, the eastern, midale, and inem on channula. The eactoin chanmel, between Sandy Point and Basque Island, is mol used; on account. of a rock in its centro, whioh is only covered at high tiden; isif also rane off to the eastward of the rock, one-quarter of a mile, with 6 to 0 foot on Manown on the west and channel is the middle one, betwean. Carousel, and Focks and Polnt Cheses ond the, Basque IsTands on the east; you leave the Went, berth, 't to aroid a reif that runs off 180 fathour, port hand, giving the lattor a good chanzel into the bey is North, by compases. The west channal, though much narow danger, being three-quartors of a mile wide, bethan the middle one, is aloo free from off which there are two or three rooks at the dieten Point Croix and the Went Rooks, ward; therufore give the Weat Rooks a berth distance of a cable's length to the northtido is turnied off towaxds thege rook by Point ablee length in peesiug. The obbNo lemding-mincte are nodpacery; for timply by giring, which must bo. attonded to. length in every part, you may enter the bay wi giving the ehores a berth of 9 oables' With iescant wind frotin the north-westward, this ofy, even with the largest of ships. Channely esit will sere a good deal of beating into thel is proforable.to the Middle for anghorage until you are well within the bas into the bay. The ground is not fit Ciptein Bayfield, eays:-"4 The best berth for.
Inland Bayifiwth Gandy Point and the north aidoge ship to lie at anchor in Seven with Point Ohased on with the west aide of arth side of Little Boule Island in one and the sandy beach near the ontrance of the rivest Rocks:. The N.W. extremity of veacel will bein-g. fathoms at low watar, over will thon bear N, bf E. $\frac{1}{y}$ E.; the andy beach to the eastward, and nearly th, over: olay bottom, nearly 1 mile from the edge of the thools, which ocoupy the' northee,quarter of a mile from the 3 -fathom lie clocer to the shora in 6 fathoms at lown part of the bay, Smaller venicle may to anohor. In this anchorage there is water, which is ne near as a vesed ought wind, bit nevar onough to endanger a considerable swoll with a otrong southerly from laming. Those that may wjeh to lie perfoutly parto of the bay, in 18 fathoms, eoft olay perfoctly smooth, may anchor in the S.W. looked:"

Outuide the islands the water is very deep, and a vencel is almost close to thoir rooky ohores. FromiSerent Liands. Bey the con Montes (ated is in general of moderate hous to the 8.W. by W., 60 miles to Point de chora, gonerally, is olaax of danger, and mat, with a few hills bsok in the country, The Theifrnt i rivar mat with after leaning may be approsohed by the deep-sea load. which is about 8 miles from Garoneal Ialanderen Ialands Bay is St. Margaret'e. River, sandyibotich, badra berrogtonds three-quartars of mils off of the river's mouth is a Sti Marguret's Point; on the weat side of the hay mile off the entranoe. moderata,inight, tend has a reef attendine ona bay into which the river falls, is: of having 70 fachoms within a short distang one;third of a mile off, which is bold-to, by the indsigi 1 fig a/ in ..
 havingalow const between, bordered with small islets and rocks close in-thore; but this: part of the approwhed, by the lead to: 80 fathome: the deep-sen soundinge off
 moutlofinhin mochoraga, may bide of, Great Cawee Inland thare is a bay, in the cholter frepe W. by 8 . tound to N. Nound at a cablés length from the island, with
 amall: for large, shipasyot it, might to this yleco is dangerous and intricate, and too To antor that asolorage from the of una to veasel in distrese.
Cawe Inlands roing net prie the castroard, steer N.W., past the N.E. side of Great the ofve, antil the point of the mainland to miles to aroid the shoal off the month of the nonth nide of the ieleriner the point of the mnin land, keeping it midway betwoen rrive hotrreen the rocks and and the large rocks to the northward of it. When you son vill ween om she N.W. W. side of the the thal into the moutt of the small bay, which There are 12 or 13 fathoms in the midale of the aneminel in 7 ghthome at low water. can be corriod through.

## JOHN

dle, and womann aland, is $\mathrm{gh}^{\mathrm{h}}$ tiden; an th 8 to 8 foot on a. Carousel and leare the Went the jattor a good ugh the middle

## aleo froe from

 the Weat Rookz, th to the north:wing. The ebb be attended to, rth of 9 eabios' argest of ships. eto the Midale :ound is not fitachor in Seven and in one, and $\nabla$. extremity of © E. \& E. : the mile from the the 3 -fathom ar voesele may a verel ought rong moutherly provent boats or in the $8 . W$. perfootly land-
do to and in
es to Point de country. The sean lema garet's River, mouth is a er falle, is. of th is bold-to, ning is given javeo Thlaíd, a-Hhore, but oundings off ds are higb; bay, in the island, with ighting, and ate, and too
ido of Great 10 mouth of -uort side ay betwoon When you bay, which low water. PO futhoms
 C - oo and the main, leeping in mid-ohapnei; but the bettor and apfor way is to paes vinnem Itule and Great Oaweo Islands, bauling close round the weat point of the Intan into the apohorage. In this route thare is nothing In the way, axpepting the gound rpotit to the south-restward of the wouth point of the Great Cawee Ialand, which man cilmays be gepen.
The tides run fairly through between tbe islands and the main land, at a rata seldom exceeding 14 knote, and generall of much lesn.
At 11 milpe 8.W. by, W. from Great Oawes Islend is Engliah Point, between which there is a good open romistead named Lobater Bay, affording plonty of acoommodation for the largest yeepels. On the west side of the bey are the crooked Inlande, between which and the reef oxtending off the eastern point of the bay, namod Point, Sproule, there is good anchorage in 5 to 12 fathoms, on fipe clayey, send, well sheltered from S.W. round by west and north, to Easte but pll winde from Efit, round by aouth to S.W. go right in with a heavs ses and thick weather.

About 13 miles to the westward ofth Croolked Iglands is Pentecost Bivarj having a narrow entrance with 7 foet at le thont It is nevigable for boets a distance:of 21 milos, apd at high water, and coasting vesels may run in and fory ar. Henoe to Englich Point the shoro consista of a fine bold gandy bei $\sqrt[y]{ }$,

English Polnt has a oboal of 1 ris ene tending off it to the diatance of about

 Rocks Egg Isletd is low, narrow, without trees, and aboat three-quarters of a mile long, in a NiN.E. 1 E. direction. The North Rooks, almese abave water; lio 4 cables' longth N.N.E: from tho islend, and form a bleck, low, narrow reef, 3 cables' length in the same direotion, bold to wards the main apdikevite toverds English Point- a reef, under water, runs out from these rocks in 28.8 .W. dirgection, $2 t$ cableé length, leaving a very narrow channal between them, and the ieland, vith only a fathoma in it The N.E. Roof runs off 6 cablea' lepgth from the NiE, part of Egg Ielarids and is the greatest danger on the goast between. Point do Monts and the Seven I-landy; nome of tha socks are arrach at low tidea.

Tho island and the reefo form it natural breakweter, $1 \frac{1}{2}$ milen longi, in in N. N. direetion; the northern ond is three-quarters of a mile fropa; the main lend, and the bonthern, peariy a mile. Within, and, westrmat of this breakwater, is good anchorage; but it is very much narrowed by fats running off from the main, which, opposito to the north end of Egg Island, diminish the width of the channel to. 870 fathoms. The beat anchorage is to the S .W. of this narrow part, in 9 fathoms, sand. As the water is deep townrds the island and reofa, a ship ahould have a good scope of cable with a westeriy wind, lent the memor should etart, and you drive on the rocks before a eecond anchor cun be, lot goz with engtorly winde you drag up hilosend thero is not mnch danger of the, anohor atarting The , beat apchorage, io Che \& V , and of Egg Ingud bearing S.E bI, S, end the inner eide of the North no. tion you will lie sheltered from all winds except' those 'betwoen S.E. round, by south to. 8. W., and, erem with them a yamel may find shelter by ohanging her barth more to the pantrard, in $\gamma$ fathomes, sendy bottom.

There it nothing in the wey when entering this anchange from the couth ward and mestrard, the 8,7 , end of, Egg Ioland being bold. If you, intend running through
 Engligh Point is opon half a point to, the northward of the North Roche; then eteor for Englifh Point, giving the inner aide of the North Rock a berth af a oable's langth; until you have patwed them one-third of a mile; you vill then be in 7 fathoms. and may haul ont to soe, not going to the-southrad of S. E. by E. till clopr to the N, E, reaf You may run through Ehia chanpol Wom the eastwad, hy rureraipg tha dirootions.
 From hence to the touth perd, for the diftinoe of abopt a mile, the thore is hadored by reef of large atories paring 15 fathome off them at the distance of half a mile to atward. To the S. W, of theen reefo, as for as Trinity Bay, the comet is froe from denct: and may hoepprochad ithenter If duapution bousod. There are apo fthom at

 cafe and convenient anchorage for vessels unable to beat round Point do Monts. Piloss are generally found waiting in the bay for vessels when the wind is from the the westrwand of Cape do Monts. they take shelter in St. Augustine Core $1 \frac{1}{4}$ miles to In the N.E. point of the bay main with spring ebbs, but the southo rocks, the northern one of which dries to the sonth ward of the point. This bay is 8 milas dries nearly quarter of a mile to the into it; another' strea'm may also. be found abont half a miver of excellent water falls west point of the bay. Wood is abundant. To sail into Trinity. Bay, either from the
than 15 fathoms until the bay opens; then hanl or N.E., oome not nearer either shore lighthouse on Point de Monte bearing S.W. W in, and anchor in 7 fathoms, with the fathoms, just within the reef, the westorn point bearing S.W. vessels may anchor in 3 take a berth a little farther ont. POUT DE POINT DE MONTS.- This point is of moderate height, and has a lighthonse upon ledge of rocks, having 9 or 10 feet water ob it the sea, vieible 6 or 7 leagues off. $A$ from the extremity of the point, extending half 8.W. from the lighthouse and S.E. another rock with two fathomson it at half half a mile from the shore, and there is rock, with a little more water over it, is said to lie S. W. from the lighthouse. A third the same distanoe. In approaching thesaighoals great cantion the lighthouse at nearly being considered to be as near as safoty will permit. Vossels being to the eastward, in a dark night, whon the tack when the light bears W.S.W., or diten W by 8 , if the land eannot be'seen, should Vessels to the westward of thelight shonid tay 8., if they art as near as Trinity Bay. boars east, it will be shut in by the lañd. At $1 \frac{1}{2}$ miles to the weetrand of Poind.
place of shelter for boats, and where pilote monte is 8t, Angustine Cove, whioh is a CAPE ST. NICHOLAS lies 17 miles W. by occassonally be found.
way between is Goodbout River, which is avalable ooly foint de Monts. "About half reaching the cape is St. Nicholas Harbour, affording ouly for boats. At 3 miles before is 75 fathoms wide and has 14 to 17 feet at high mexcellent sheltor. The entrance there are only 5 feet. The shoals on the east side dry out at low water spring-tides only 80 fathomis wide, in whioh are a fow large stones out so far as to leave a channol if the tide be not high enough to pass over them. In which can be seen and avoided are $9 \frac{1}{4}$ fathoins. From Oross Point, the western point of deepest part of the harbour the shool water extende across a small bay to the west of the entrance, which is bold, and off shore 100 fathoms. The anchorage between the ehd of the point, 400 fathoms, is too mach confined for large ships, being only about shoals off the harbour's month the ground is good and depth moderato; here cyout meables' longth fin width ibtit warping in.
To enter the harbour bring the ond of 0 . nearly forit as to leave it not more than of Oross Point to bear N.N.E., then ateer so hand. If the wind will allow, continue to run in, at the same distenstant on the port on the weot side, until you deopen your water; but if you lose the wistee from the shore light bafling flawe out of the harbour, as often happena in we the wind; or be met with on shore on the west side, or drop your anchor happens in westorly winds, esend a line hox way, and warp into deep wator. The shoal water, whioh an as your wiseol loses and commenoes at Cross Point, conitinues for 200 fhth, Whioh may be called the bar, harbour. In orrow by shoals of the eestern side; for an equal distance farther upnel than the three ler to have as much room as pondible, a vewsol should anchor for the
 in the early part of the moining, whioh often or or tate advantage of the land-mind Winds preval; or, Iactly, sho maat, warp out in a light in fine weathe when westofly of the bay ontside, and to a position from whioh she oan mate calm, to the ontrance South-eact winds blow right into the harbour, and are maty sail.
for rumning in, but with a atrong wind in that direotion, andequently most favourible

## JOHN

thoals are covered, there is generally some sea outside the narrow entrance; th acoidonit at suoh a time might be atteuded with serious consequences, and therofore it is only in very fine weather that the entrance should be attempted with a S.E. wind.
North-west winds blow right out of the harbour, and often with great violonce. A W.S.W. wind is the safeet for running in, for the entrance and bay ontside are then quite smooth, the sea being turned offiby Cape St. Nioholas; but this wind.will seldom take a vessel completely in, it will usually only enable her to shoot so far within Crose Point that a line may be sent aspore, or a keige ahead, for the purpose of warping in the remainder of the way, whioh may bequickly done if due preparation has been made beforehiand. The ontrance stionild be attempted in the last quarter fiood, then if the reseel tonches the gronnd she wilt receive no damage, and there will be time for her to warp in before the tide begins to fall.
It is high water, F. and 0 ., at 1 h .5 bm .; spring-tides rise 12 feet, \%ap-tides 7 feet. Water can be easily obtained on the enstifn, side of the harbour, or at the heid of the harbour at high; water.

At the distanco of $18 \frac{1}{\frac{1}{2}}$ miles $_{3}$ W. $\frac{1}{2}$ N., from Cape St. Nioholas is Point St. Giles, which is high and rooky. Between these two points are St. Panoras Cove and English Bay, of no use to shipping. About 5 miles to the south-westward of Point 8 st . Giles is Manicouagon Poft, which is low and thiokly wooded, with a broad sandy beach liko the rest of the coast westward to Outard Bay.

Between Points St. Gíles and Maniconagon is Manicouagon Bay, which is dry at low water, with the'exception of the narrow channels leading to the river. The bay is too dangerous a piace to be of muid use to shipping.

Off Manicousgon Point a sandy shoal extonds, having many boulders on itseastorn and southern parts ; the easternmost point of this oxtensive and dangerous shoal lies E.S.E., $8 \frac{1}{3}$ miles, from St. Giles Point, and E. by N., $5 \frac{1}{}$ miles from the N.E. part of Manicoaagon Point. From the south point of the shoal it continues to the westward, curving with the land puat Outard Point fully 16 miles, and extending from the shore from 2 to 2 thiles. Near to Outard Point are all sand and clay oliffe. The tide of llood and ebb sets all' along the edges of this shoal, but it is rot peroeptible more than 5 or B miles off shore. Great ripplings are frequently met with without the edges of this shoal, particularly off its south point.

From Manicouagon Point the coast runs 11 miles to Outard Point, on the north side of which is the river, which is useless for vessels, From Outard Point to Bersimis Point the distance is 9 miles; between them the ooast forms a bay, having three rocky islands in it which appear as two from seaward. In the western side of this bay there is anthörage in 14 fathoms, mud, with Bersimis Point bearing 8.W. by 8., 3 miles; but in running for it caution is required to avoid the bar of Bersimis River. Here you will be exposed to enstorly winds.

Bersimis River, in the western part of Outard Bay, häs sands and shoals extending 11. miles outside the entrance, whioh dry at low water and render the place nseless to shipping. Immediately outside these shoala the water suddenly deepens to 60 fathoms within a mile or two. Bersimis Point is low and covered with spruce-trees, and as the lead affords no warning it is very dangerous to approach it either at night or in foggy weather.
From Bersimis Point the coast runs bt miles W. $\frac{1}{2}$ N. to Jeremy Ialand; whioh is small and lies olose to the shore From thence it runs 5 miles 8.W. by W. \% W., to Oape Colombler, which is rocky, with a small islet close to its, western shore. About $1 \frac{1}{4}$ miles from off this cape lies the Gnlvare Shoal, a narrow fidge of granite rock, nearly 2 miles long, running parallel to the shore, whit 2 to 8 fathomis over it at low water; it is vory dangerous, as there are 23 fathoms close to its S.W. ond, and also along ite southern shore. Between it and the thore are 4 to 5 fathoms. Wildfowl Reef lies 4 miles S.W. by W. I W. from Cape Colombier; it consiats of a large bed of rocke, oxtending threconurtar of s inile from the shora. Ye tole therof are should be carefal when etanding in towards this part of the const, 80 ftithome being quite near onough:

Between Oape Oolombier and the Wildfowl Reef the coast bends inwards ind forme a shallow bay full of rocks named Plongeur Bay, and 4 miles hence to tho westward is the Baie do Laval, having a rocky island at its entrinoe, within which it dries at low mator. Vossols may mafoly atand in towards it as the soonndings deorease gradually from 10 fathoms of the diotanot of 21 miles from the shore. On the olay olifin to the S.W, of the bas tirure is good anchorage in o or 7 futhonde, clay bottom, Gompary, which with the churoh oan be dietinotly seen from the offing: About threequat of pine-troes, this peninaule rund uph, un a low nerrow peniasula, there is a bofore mentionod. There are runs N. 12 fet. . for about 2 miles, and joins the elay suls at high water: Here mall vessols meat find between the maip and the peninmay find good shelter, by lying aground on
A small patoh of sand, baving 8 f fathoms on it liea, with the ohurch at Port Neuf bearing S.W. by W. \& W., from 18 , to 3 miles, whioh would be dangerone to a veasel in a heary sean. From henoe the Port Neuf Sands extend round the peninsula to foint there aré 20 to 80 fathome close to them. POINT MILLE VACHES is low and. ehoals off this point narrow the navigend sandy and covered with spruce-trees. The opposite side, to $11 \frac{1}{1}$ milbs ; both sides are boldnel between them and Biquetto, on the pante-is very atrong the greatest attention to the and as the set of the tides and curabsolutely choossary to a vessel nunning up in dart soundinge, and a good look-out, are Into the Bay of Millo Vaches several amall rise nights or foggy weather. Sualt do Mouton, whigh has a fall of 80 foet just within the prinoipal of which is the a number of ehoals and rocks whioh dry at jow water. tained in this bay, sand and mud bottom, with shelteer. Good, anchorage may be obto N.E. by E., with the south extremity of Point Mille V.W. by W. round by north north side of the pine-trees on the peninsuls of Port Naches on with the inner or ${ }^{2}$ distance of 2 or 3 milee from the point and the Port Neuf, bearing N.E. $\frac{1}{1}$ E., at the Thpre is not much tide, and the ground is good. $q$ uarteri of a mile from the shoals. The couree and distancoe eoross the Bes good. heve three amall ones nearly a mile to the \& M Mille Yechés to two large rocka, whioh mine Ialete, is S.W. $\frac{1}{4}$ W., nearly 12 miles. The of them, and are, named the EsquaEsquamine Islets to Little Bergeron, a distance of the the south-westward, from the ateep rand; bold, and free from all danger, excenting a miles, consista of granite rock, went gide offape Bondesir, but which does not extend shich occupies arbay on the oide of a line joining the points of the bay, and is oonsequent quarter of a mile outof ressele. Thare are upwards of 50 fathoms water cloquently to yrittle in the way of the oonst. ${ }^{\circ}$. $/ C$, water close to the roph
The tides are regular, Inereasing in strength as you approach the comparatively narrow pass on either side of Red Islet. The flood is the stronger tide of the two, tho ebb being defleeted over towards the southern shore by the stream out of the great below Bergeron, and the closer to that shond shove 5 or 6 miles off the north shore Point Mill Y Vobes, where it does pot extori, far off shore, is from 13 trom. Ite rate at off Bergaron from 2 to 3 knoth in opring-tides. faff shore, is from $1 \frac{1}{3}$ to $Q$ kngts; and Groas and Littlo Bergeron are tro coyes sep. of lerge bouldars, which dry at low, water, and hed by a point. They, are both full Litule Bergeron is of the tivo the most to the 8 have emall streams at their heads. S. by E. 1E., 111 miles, and tho Saruenay Cliffs. From it Green Island Light bears
 You may anchor, with the 8 grueney Cliff bearing W. By 8 , diotant 8 milon in 7 fethoms, with the 8.W. and of Green Ioland and Red Islet in one, nearly a mile off on a 10 -fent patoch, off yrithout this you foll into deep water. A black buoy is placed Saguoning. patoh, off Viche Reef; to be left on the right hand when entering the named Lark Roint, and is compThe S.W. point of the entranos of this river is Lien E.N.Ei, m milo from the point From Iolay, oliffa, Lark Islet low and small, at low, wator, extende, 81 miles, in a 8.8. E. dirpotion, the ox yeef, named Lark Roef, dry
 this roof and those running off from Point Millo Vmohen River Saguenay lios betwoon This extreordinary river, whioh was imperfootly known till the late surveyo, is as remarkable for the great rolume of rater whloh it brings down to the Si. Lawrence, the St. Lenrrononoup copth of its bod, which is fully 100 fathomi lowar than that of the St. Lawroqnem It pomen from the Lahe St John, and at Ohiooutimi, a trading

## BD.

gu
aut
ex
wh im

## JENAY

the Hudson Bay ng. About three: ingula, there is: nd joins the elay pand the penipring aground on
ch at Port Neuf erous to a veasel iningula to $\frac{1}{\text { oint }}$ ry dangerous, as
coe-trees, The Biquette, on the - tides and curod look-out, are nther.
of which is the In the bay are age may be obround by north h : the inner or E. $\frac{1}{2}$., at the om the shoals.
arocka, wioh ed the Esquaward, from the granite rock, 3 arbay on the of a mile outlo in the way long this part
aratively narthe two, the of the great north shore
Ite rate at ! knots; and
are both full their heads. Light bears rance of tho
milom in 7 (y a milu off oy is pleced intering the

## his river is

 and small, k Reef, dry tin mandad os betweonTeyo, is as Lawrence, an that of a tradipg

## SOUTHERN SHORE FROM CAPE GASPE TO BIO ISLAND. 155

pate of tho Hudson Bay Company, which is 65 miles above its month, it beopmes. navigable, and 6 miles above whioh, to the rapids, the tide ascends. To Point Roches, 67 miles from the St. Lawrenoe, and 8 miles below Cbicoutimi, it is navigable for the largest ships; and up to this part there is no danger in the river, the shores consiating of steep precipiees, some of the headlands rising more than 1000 feet, in height.
The current runs down with great force, the ebb-tide varying from 3 tols knots, acoording to the breadth of the river, whioh is from two-thirds of a mile to 2 miles. At the mouth of the river, this ebb-tide runs at the rate of 7 knots over Lark Islet Spit, sad the S.W. extreme of Point Mille Vaches.

Tadousac, whioh is in the entrance of the river, was formerly the prinoipal post of the French, for tradiog with the Indians. It has declined, and now belonge to the Hudson Bay Company.
"The harbour is off the settlement, a mile within Point Mille Veches, and is well" shôltered; but.a heary anchor should te cast close iu-ehore, on account of the eddies which sonetimes set into it from the river.

Aorose the mouth of the river there are 12, 20, find 28 fathoms, but immediately within, the depth increases to above 100, and a little farther up to 150 fathoms. The current setting stropgly over this bar, meeting with the apring obbs of the St. Lawrence, oause breaking and whirling eddies and ripplings; and these streams opposed to a heavy easterly gale, cause an exceedingly high, cross, and breaking sea, in which no boat could live. On the flood at such times, there is no more soa than.in other parts of the river.

To enter the Saguensy, have the beginning of the flood, and sufficient daylight to reach Tadousec. Winde from the S.W., southward to N.E., will take vessels into the river with the flood, but the N.E. il most to be depended on; but whether you approach from the S.W. or N.E., bring the western points of the Brandy Pots and White Island in one, and open to the epythward of Hare Island, bearing S.S.W.- $\frac{1}{2}$ W. Run upon this mark (and it will lead you well clear of Point Mille Vaches Patches and Lark Refes, off the mouth of the river, ) until La Boule Point comes in one with Point Ilot, beariog N,W. by. W. $\frac{1}{1}$., which will olear the S.W. mide of Point Millo Vaohes Reef; Point llot being thg ${ }^{\text {gin ther }}$ low N.W. point of the Harbour of Tradousac, and La Boule a high and ound-backed bill, forming a ateep beadkind, 4 mileg above Tadousac, and the extreme point gen on the same side of the river.

On Bar Roef, $2{ }^{2}$ miles E. $\frac{1}{4}$ S. of Lark Point, $\frac{2}{2}$ chequered buoy is or was placed; to be left on the port hapd when entering the Saguenay.
Haul in upon the last-named leading mark, keeping tha S.W. extreme of La Boule just open, which will clear all dangers; and when as far in as Point Rouge, bear towarde the trading post, into the harbour, dropping your outer anchor in 16 fathoms, and the inner one olose to, or within, low water march.

## SOUTHERN SHORE FROM OAPE GASPE TOBIO ISLAND.

Thy aoast betreen Oape Grepé and Cape Ohatis is high and bold; free from danger, and destitute of harbours; but although free from danger, it must, nevertheloas, be guarded against in dark foggy nighte, dince the water is ev ywhere too deep to afford eufficient waraing by the lead for the Bafety of vessels, The shore along its whole oxtent, oxoopting in some of the bays, is of highly inolined slate and greywacke rocks, whioh would cut through a vossell b bottom in a vory short time; and sach is the impracticable nature of the country, that those who might escape to shore would run groat rikk of perishing from want before they could rewoh a sottlement.


- extsnding from it about one-third of a mile: in the bay to the nouthward of it there is also a reef extending half a milo from the shore. Under Oapo Rorier there is ohelter from N.W. winds, but it is not considered deairable dnohorago.

About 7 miles to the north-westrard of Cape Hoxler ato Grifin River and Covo, effording shelter for boits, and 0 miles farthor le the Great Fox River, off oach point of the entrance to whloh are reefin aholtering the apohorage. Herb veseole may anchior
for a short time in summer, and obtain supplies of wood, water, and fresh pro-i visions. At 16 miles from Great Fox River is Great Pond, a small creek affording shelter to boats.

The Magdalen River is 24 miles N.W. $\frac{1}{2}$ W. from Great Pond. $\mathbf{k}$ is sheltered from the northerly winds by a reef which extende out from the north-west point (Cape The river has 18 feet water at spring 200 fathoms, in a direction parallel to the coast. when the sea is smooth and the weather fine. - In the bay vels are ensibled to run in weather in 7 fathoms, sand, gravel, quarters of a mile from the sandy beach, with then shells, at the distance of threethey will be well sheltered from W.N.W. round by N.W. point bearing W.N.W.; here About 16 miles from the Magdalen River is theuth to E.S.E. small vessels may anchor in 8 to 16 fathomer is the Bay of Mont Louis, in which than the east side; here they will be sheltered from Weweather, riding nearer the west the back of the bily is the river, bufas it has only 7 W.N.W. by south to E.S.E. At none but boats can venture in.

CAPE ST. ANN.-From the Bay of Mont I 26 miles, ${ }^{2}$ and the çoast is of moderate hoight wis to Cape St. Ann the distance is cape, are the mountains of St. Ann, which of the cape, and continue in that direction 10 are about 4 leagues sonth-westward altitude, and may be seen 80 or 90 miles in alear 12 leagues. They are of great miles within Cape Chatte, and is estimated to clear weather: the highest peak lies 14 are therefore the highest in British America. be 3,0 0 feet above the sea; these hills There is a settlement at St. Ann's Rivice. where a few families reside, who river, about $3 \frac{1}{g}$ leagues E.N.E. from Cape Chatte, should requitolt; but this as well as the little ready to afford assistance if necessity at the entrauce, and afford very little accommodation to shipping, although both barred river, St. Ann's, may be entered by small schooners at high water. - Gape Chatte River becomes almost dry at low water, except one spot, where 10 feet may occasionally be found. These riverskre therefore but little frequented.
capn ceacyyri in long. $66^{\circ} 40^{\circ} \mathrm{W}$., oan oasily be distinguished, as it appears like a round hill, separated from, but of less height, than, the land behind it. It is the to the River Matan the distance the south side of the River St. Lawrence. Hence there are eeveral coves having the appeary incesgues on a W. $\frac{1}{4}$ S. bearing; between able. The shore is all bold, with high oliffe, affording shelter, but none is attainWater. Off this part of the coast the soundings are all of nothing but wood and 15.fathoms, but within that depth they are hard and all of sand beyond the depth of will not be half a mile from the rocks, and in some foul. In 15 fathoms water yoit deepene very fast from 15 fathoms, so much so, that places dose to them. The water 50 and 60 fathoms, with fine, olean sand, and somat miles from shore you will bave fathoms.

The tide flows, by the shore, till $20^{\circ}$ clock nearly, at Cape Chatte ; but the the River St. Lawrenoe are very mnch influenced by the winds, easterly winds make them fiow much stronger and rise much higheh so that strong winds have a oontrary effect. Common epringe rise 12, neap.tides a feet. westerly The River Matan is small and with an narronge rise 12, neap-tides 6 feat. vessels. When abreast of the river, and not more than and bnly avtilable for small see several houses, and a bluff oliff etanding by than 3 or 4 miles from it, you will entratice If desirons of entering, you should never attempe to the wost side of the bar shifte, and there is seldom more thàn 4 feet it 1 attempt it without a pilot, as tho epring-tides. Ontsido the bat there is anohorece low water, and 15 at high water. shore, or a little farther out, in 10 fathome anorage, in 5 fethoma; at half a mile off sets out of the river during the ebb. Pilots and provisions may be proc
 When a few miles to the eaetron full and ohange.
the Pape of Matan bearing S.W. are with difficulty to be distinguished, atthough this is the westward of the river, and to

## leag

and fresh pro-i creek affording 8 sheltored from est point (Cape lel to the coast. abled to run in auchor in fine ance of three W.N.W. ; here
ouis, in which nearer the west to E.S.E. At at high vater, .
he distance is d beyond the uth-westward are of great t peak lies 14 a; these hills

1 Cape Chatte, e if necessity 0 both barred gh the former Chatte River casionally be
appears like it. It is the nee. Hence ag; between ne is attain$t$ wood and the depth of $1 s$ water yoi The water ou wilt hine ound at 100
the tides in that strong le westerly
le for small it, you will side of the vilot, as the igh water. mile off rapid tide
leagues; this mountain appears to the northward of all the land then in sight, in, the form of a circular ishand.

From Matan to Little Metis Bay the distance is 22 miles elong a low, rocky, rooded. ehore. The bay is mall and divided into two rocky ooyes, dry at low water, into the? southern of whioh a stream falls. Metis Point, the outer point of tly bay bas several buildings on tt, and a reef rune from it to the eastward, whioh affords shelter to small vessels from the N.W. winds. This reef partly dries at low water, and may be passed by the lead in a depth of 4 fathoms.
Grand Metis is separated from Little Metis by Metis Point. In the Festern partof the bay is the river, whioh is of but little use to ships, as the bay nearly dries at ${ }^{2}$ Water ; howiver, small vensels may anchor there with S.W. winds, in 3 fathom 8 pt Tow water, but with westerly winds they will have no shelter. Notwithstanding, reisels lie here during the summer months, to load timber; they generally moor with the rivet bearing S.S. W., distant 11 miles, in 6 fathoms at low wator, bottom mud. A vessel may occasionally; anoutor anywhere off the bsy, in 6 to 12 fathoms, bottom good, and sufficient'roons to get under wígh. Grand Metis has risen into notioe from the saw-mills erected on a fall about 3 miles up, where quantities of fine apruce deals are out.
Cock Oove, 14 niles to the westward of Metis Point, affords good anohorage in 3 fathoms at low water, with ehelter from the winds along the coast; from it Mount Camille bears 8.E. by 8., distant 8 miles. From hence to Father Point the distance is $4 \frac{1}{4}$ miles here pilots may be obtained.

About 8 miles W. hy S. From Father Point is Barnsby Island, an between them is the road of Rimousky, where vessels anchor during the summer to take in cargoes of lumber. The best berth is considered to be with the eastern point of the island bearing. W. by N., Rimousky Churoh S.S.W. I W., and Father Point.E.N.E.: the depth will thon be, 4 fathoms, at low water apring-tides, over mud bottom. Small vessels may anchor farther to the westward in 3 fathoms at low. wetor, with the east end of the rocks, off the eastern point of Barnaby Island, bearing N.W. by W., and distant a quarter of a mile.

Off the eastern end of Barnaby Island a reef extends about one-quarter of a mile, which may be passed in 4 fathoms. Barnaby Island is about 3 milos long, low, and wooded. There is a channel between it and the shore, which dries at low water, end ehould not be attompted even at high water by vessels drawing more than 8 feet. At the bauk of the island, on the mait, are the Church and Village of Bimousky.

Off the outside of Barnaby Island there is a 8 -fathom shoal extonding out $\frac{5}{4}$ of a mile, and the reef off its.western end duns out in a W.S.W. direction more than threequarters of a mile. Between the western end of Barnaby Island and the mainland there is a large, high, and bare rock, which is distant from the island about two-thirds of a mile, Midway botween the reatern pointis of the island and the bare rock, bearing north and south from esch other, thore are two fathome at low water, in ${ }^{\prime}$ Barnaby Road, over mud bottom, affording good anchorage to small vessels, in all winds. Rimousky Chysch in one , thithe eastern end of the rock, will lewiver the tail of the reef off the west end of 佂位by, and into this anchorage.

From the easti end of Barnaby Igland the eastern end of Biquette Island beara West $14 \frac{1}{\frac{1}{2}}$ milos, and Cape Arigoole W. by S. 1 S. 13 ) miles. Cape Arlgnole and the eant ood of bic Island lie due north and south of esch othor; and the west end of the island, bearing N.W., and the east end of the if which extends S.E.from the island, N.N.E.; the distance from "the cape to the "Epdy of the island being about 24 miles.

Between Barriaby and Big Island are the River Ottey and Old ${ }^{\circ}$, Harbour; the former beirs S.W. from Biffnby, distant about 5 milestind is of little use to shippivig excent to water at; the latter ia still further to the westward, about 3 miles, and is $\%$ very good place for small vessels to lie sheltered from westerly winds.; This harbour has troo
 in wildth; "the tunohorage is midway betweer the westernmost island and the west side of the harbour in 3 fathoms at low water, the west point bearing West, distant onethird of a mile. When ooming from the N:W. for this anchorage, keep the westerdmost of the two islands ith own breadth open to the eastward of the west jolnt of the harbour, as it will lend you olear of the eastern rook of the Cape Arignole Reef, which

## SOUTHERN SHORE

is the fanger in the, way. A family resides here, who ocoasionally oan forish provis, if necessary a the S.E. reef of Bic, and'R. 1 H., $1 \frac{1}{4}$ mile, from the N.W. ext nole; bu it is dintant only a q - ter of a mile from the wocks off cape; this rock is a qumier of prile long, and ery $n$ low. small, obvered at high tides, and herthird of mils east fom the o ger. These two

 reef, when going in and out of Olduls Harbotye. A gQod mark to olear this
 pearing E.S.E. $\frac{1}{+}$ S.
Tn the west sidjof Cape Arignole it / a a-hs Bay, pir

 islath minhat whe lying 400 fathoms from the chet side of the



and so ven in in miflway diys The wits outer part; which fyjbold on the north
Wartlydy ax low war, the outer paint of which is 'are an quaive fat of slate,
W. $\frac{1}{8}$ 8. 'f in the w point of the island ; which is distant thr quarters' of mile

quetto and, whion is small, being not more than half a mile nophern side, is Bifeet high, the'ohamel between is narrowed by some rocks ent intent, and 100 and south sist sides of Bienette, end by by some rocks extending off the east mearly the , stance of anmile, so that it is dangerous and lying, off its west ond, to attempt this passage. The best time is at lorous and intricate for a stranger to Whigh time from 5 to 9 fathome irfegular áond water, when the d mgers show, at The 'northern side of the island is steep-to, there being 15 fathoms at mid-channel. nge off. isiand, with thg west end of Bic in qhe with the N.W. point of Ha-ha'Bay, bearing the high land behind it enentioned point is not so easily recognized, on account of of Cape Arignole should In approaching it from the westward, the north extremity composed of two rocks about 150 eput in behind the west point of. Bic. This reef is like Biquetta Island is steep.to on fathoms long, and just,00vered at high watar, and distances of 2 miles north of the island there side, having 12 fathoms close-to. At the the reef there is the same depth, with bottom of sand. be found at 50 or 60 fathomst ? The lighthonse on Biquette
from the 15th of. Apri\} to the 15th of De a Ghe revelves in 2 minttes. A gun is fired December. It is 112 feet above thesen, ind *ese Behind Bic Island, on the main every hour during fogs and sngw-storme. whioh is 1,236 feet boye the level of the sen, and bears 8.W, by , ehat part of the cape.

Aleide Reof-The Aloide Feef, lying betreen Bic and the main as it is so bold all round thano warning thatever is given mains

[^11]rook of about 4 feet in \&xtent, having 4 feet on it at low water, and stands op a rochy shoal 100 fathoms long lying parallel, to the coast. It lies due S.W. from the west point of Bic, distant 34 miles; and there is no olowe leading mark for olearing it, but if Mount Camille bp not entirely shut in behind Cape Arignole vessels will be in no denger of it.

Under either end of Bíc Island there is excellent anchorage, and also betweeni it and the mainland; cccording to the wind; and ressels which may be met by an eqasterly wind, had better anohor than attompt to beat down the Estuary in the long and foggy nights of the fall of the year. More shipwiecks have arisen in consoquence of yossels obstinately endeavouring to beat down against an eastarly gale, With its accompanying fog; than from any other cause, and yet all that they oan gaif by suoh a oourse might be run in a fow hours of fair wind.

TIDES, \&o. - To the westward of Bie the first of the flood oomes from the N.E., but there' is verf little stream of flood in neap tidee between Bio and the main lind, excepting close to the latter. In spring-tides it runs through the channel at this average rate of 17 knots, being strongest near the main land. It also runis between Bic and Biquette, but the stream extends only a very short distance outside the latter island.

The strean of flood continues its course along the main land, passing inside, and also very close outside, of the Razades, Basque, and Apple Island; but nowhere extending a/ sufficient distance off shore to be of use to ships beating to the weitward mach below Green Island. That part of the stream of flood whioh passes farther out towards Ble, and also that which passes between Bic and Biquetto, ruos at its full rate only/until half flood, after which it becomes gradually weaker, tuirning to the N.W., round the west end of the island, and flnally to the north and N.E., towards the end of the tide.

- The stream of flood becomes weaker, and of less duration, as you proceed to the westway of the islands. Half way between Bio and the Razades, thera is slack water for about an hour at the ond of the ebb; after which a weak flood makes during the firpt quarter of thatt tide; at the rate of a quarter df a knot; and this is succeeded. by the eddy flood at the rate of $1 \frac{1}{2}$ knots, or $2 \frac{1}{8}$ at he edge of the Bank of Soundings, whioh comes from the westward, running in the same direction as the ebb during tho remainder of the flood-tide.

The set of the latter part of the flood to the northward, past the west end of Bic, should be remembered by veisels weighing from the western anchorsge, or approaching the ialand: with light winds, especially in the night, or thick weather.
The first of the ebb sets off shore, or from the southward, and this is more particularly remarkable at the eattern snchorage, but it only jasts for a very short time, a/ter which the stresm runs fairly between the islands, and along the coast to the datward for the remainday of the tide. Its rate, in westerly winds, varies from 2 to fo lnots, according as it is neap or spring tide, but it does not run so atrongly in

The South Bant is both to the esstward and westward of Bic and Biquete, and the assistance whioh the sounding on it may afford to vessels at night; or in fogs, will be evident: If yessels, on appróaching thofe islands from either direction, will But tise their leads in reference to the soundings on the chart, and attend to the directions given, they can scaroely, rur foul of Biquettte, or its reefs, as has so often occurred in times past. The 39 hatdeme' edge of the Sonth Bank is 7 miles north of
 poiots the ef fortaphanc-cotitind in'a slightly nudulating line. Everywhere within that hes there is mach hasi . SLand to the north ward of the South Bank, in every fart, there is no bottong ith: 10 m .60 to 80 fathoms of line, quite over to thio north The 30 fathong edge of the bank is 41 milee porth of the NS


To the westivard the Sou Bank hecomes. gradually wider, its northern edge pur-- Ruing a direetion from of the Razadectowards the northside of the Red Iolet heef. There are "nowhere more than 36 fathoms at low water upen it, unth you errive
 Island teofs, and this incremes in the dapth of vater is a valaablo indigacion to a


Light eannot be seen. There is anohorage in 10 or 12 fathoms, with good holding
ground, all along the south cosist from Bic to Green Island.
sets usu I of ope
there are between 20 and 30 fathoms of mater its N.E. extromity there are batmen- 40 and at the distance of 1 mfle N. W. from miles, in the same direotion, there is no bottom forems end at tho distanice of $1 \frac{1}{2}$ of line. :

Deep as the water is to the northward of this dengerous reef, therifis no other guide, in a thick fog when the light cannot be seen, bat the soundings: yet it will never do to loes command of the veasel by rounding to, in the rapid obb tide; (which
ith good holding
and rooky, and, reseals, that may as at low, and 9 nding 5 miles to astern ond. Ta on to the north-
S.W. $\frac{1}{2}$ W., $1 \frac{1}{1}$ oof of Biquette ad to the south-
W.S.W. from 8 long, and 200 reen it and the island a sandy 3nd of this spit in which small - northward of its west point. rom the island,
d. Between it ery bold, there
arrow point of from the trees N,E. direction. o which dry at a passage for igh water. files from the S.W. $\frac{7}{}$ W., $4 \frac{3}{1}$ ca, and can be - eocording as square, white, - quarter of a when brought 10 eastward. he lighthouse y it trends E . is. Its N.W. re alose to the - N.W. The be high-water lead to 7 or 8, there is no N.W. of it, le N.W. from istatioc of Th b 50 fathoms
sets upon the reef at the rate of 5 knote, for the purpose of getting bottom in the usual way, by the common deep-sea lead.
To olear Green Island Reef, in the day time gnd olear weather, keep the nummit of the high land to the southward of Oape Arighole, (or the high land of Bio, woll' open to the northward of Basque Island.

There is excellent anchorage in westery winds under the Green Island Rieef; it is the general rendezvous of vessels wating for the flood, to beat through between Green and Red Islinds. But as the frst of the flood comes from the northward, and sets on the shoals, ressels had better not anohor with the light bearing to the weetward of S.W. 7 W., or in less than $\gamma$ fathoms at low water. With that depth, on that bearing, they will be $2 \frac{1}{2}$ miles from the light, one mile from the eastern edige of the reef, and the same distance from the ehoal water to the southward. If they wish still more room, they may ohoose their berth in $9 ; 10$, or 11 fathọm, and will find a bottom of stiff mud in either depth.

The S.W. end of Green Island is low and bare, and has a dangerous reof running from it to the westward above a mile; this reef whioh dries nearly the whole of its length; curves round to the northward, so that its outer edge bears S.W. by Wi $\frac{1}{4}$ W. from the lighthouse. It northern side is very steep, and the flood tide runs atrongly over the tail of the reef towarde Cacona, and the obb the contrary. Mariners, therefore, should not approach it nearer than 25 fathoms, nor bring the light to bear to the northward of E.N.E.

About $9 \frac{1}{2}$ miles 8 .W, by S. of the south-west end of Green Ieland is Cacona, a remarkable rooky peninsula 300 or 400 feet high, which is'joined to the main by a low marshy isthmus. At $1 \frac{1}{\frac{8}{9}}$ miles south-westward of Oacona, and just to tho northward of the stream of it, are the Percee Rocks, two olusters, occupying the extent of $1 \frac{1}{\mathrm{~L}}$ miles. They lie about a mile from the main, and are nearly covered at high wator. To the southward of them there is a narrow passage with $8 \frac{1}{2}$ fathoms in it; and you will always go elear of them to the northward, by keeping in not leas than 8 fathoms water.

RED ISLAND is a low, flat islet, of a reddish colourand without trees. A roons
 parts at low water; but the islet is quite bold at iss S.W. ond. Anohorage in 10 fathoms, good holding-ground, may be had to the S.E. of this reof. ithis island is situated very nearly in the middle of the river, and bears' from Green Inland Lighthouse N.W. by W. $\frac{1}{2}$ W., distant 51 miles. A lighthouse is oreoted on the island; and bears a red fixed light. Near the east ond of Red Island Reef a buoy, paintedtrpd; has been laid down;,it lies in 6 f fathoms, with the, south side of Red Island th one with the north side of Hare Islend; and the beaoon on Green. Island aqen a little to the eastward of the lighthouse. Should you be suddenly eangit to the northward of Red Islet Reof by a ehift of wind to the enstward, so that yon eannot fetch round the east end of the reef and gain the sonth ohannel, you may safoly bear up and ron to the westrard, by giving the N.W. sides of Rod Island, White Island, and Eare Island, with its reefs, a berth of $1 \frac{1}{2}$ or 2 mileg, on your port hand, in passing. When you are 10 miles to the westrard of Hare Island, you may safely haul derose fon the south ohannel. Observe, that by keoping Kamourasce Charoh just open to the - we ward of Grand Island, bearing E. by W. I W., you will clear the S.W. ond of I, ,is Ieland Reef, (on whioh a red buoy is plaoed, in s fathoms at low watory As tho river is all olear to the westward, there is no neoeseity for hinnling aorose so near to the: reef. There is en auchorage along the N.W. aide of Hare IAland, in 6 to 8 fathotns: whter, but this is very olose in.
HARE ISLAND, de.-In the middle of this part of the yiver are Here and White Islands with their reof, the Brandy-Pots, dees, which divide this part of the river into ctis ohanitiels. They altogether ocoupy an oxteut of about 20 milpa. The North Channol, thoube $t$ that whioh is generally usod, is clear, deop, and bromd, and
 and atrong N. fiffac but with enaterly wipds and thiok wenthor, or at nitht, it must not be attypipted, as there are no loading marks, and the dopth is too great and irregalar to afford'any guidenoe, besides the whit of sheltor or anohorace on the north ehore. The South Channel, between the reafi and the south shore of the tiver is genorally peoforied, as the tides are not so etrong, nor the water so inconveniontly deop, as in thy "therchennal; beoldee which it has good anohorage in overy pirt, ent
a sufficient depth of water for any shipg. We will begin in our description of this range of islets and reefs at their western extremity.
 half a mile wide, in, fathomsk int fe of great extont, lying along the
 portion alwigge. Whatit is covered on the northern part of this bank, thore is side of the fithere is good andohoragering and bushes. All along'the south appromeh it $n$ whif. The mouth-weet ond of the 7 fathoms, add and vensel should by keeping Knmourases Ohureh just open to the bank may be aleared ir 3 fathomes 8. by W. W.

The couich-west ond of Hare Island Banlen- - at by a red buoy, which lies with Kamgurapes Church a little open to 1 .
 beaping N.E. $i$ N. At the east end of the bank there is a knoll of 12 feet marked the con h side of Hare Island and the middle of Whise Iatand bearing N.W. 4 W., and. Whef thia buog, at tro-thirds of a mile is of Whito Intand in one To the eastthion yolis a narrow ridge, of of to 4 fathoms, runs N.E. br 24 to 8 fathoma. From
 of romb, upon which there are 10 feet at low water, with 4 to 8 fothome amall patoh thaly it lies exactly in the line from the extrome of Loup Point to the oloce-to all - 1 the Brandy Pots, the lattor bearing N.W. by W. + Wh and the to the N.W. point mane islands bearing N.W. 1 W., $1 \frac{1}{2}$ milea . W. $\mathbf{z}$.W, and the south point of the Barrett Ledyo - Botweon Barret I I ditso
fathames: Blfatit Ledge is composed of two detased rocke Knoll there are 4 to 6 rock liew a ofequerod black-and-white byoy, having the northern oxtremity of the mnin land within Grean Island, in a/ind Fith the northernmont bigh Arignole, bearing N. 64 ${ }^{\circ}$ E.; the summit of the southernmost mountatind of Cape
 the eaptern side of cthe trees on Hare Ielen point of Great Pigrim ladand, \&s $30^{\circ} \mathrm{W}$.; Docks, (on th tnorth shore,) N. $47^{\circ}$ W. and one with the weat cape of the Bay-of $4{ }^{2} 20^{\circ}$ E. ; the lifter are the onify two houses betwo houses near the Rivar du Ioup, The roaks of Beafty I Aidee bear two houses between the church and River du Loup. quartar of a mila. The N.E. rool has 10 each other N. $68^{\circ}$ E., and S. $63^{\circ}$ W., one them is a depth of 8 fathomic. The teading mark through this part of the Hetween leaving Parrets Ledge and Middie deading mark through this part of the olapnol, Pigrim Shoal to the south Midde grand to the northward, and Peroen Roola and,

 and manr its enstornc mity and ampllest of whioh riere in a talegraph. named the Brandy Pots, on the southern highent, haing about 150 feot his talegraph. The northernmost Brandy Pot is the is a good ejpring, baf it drieg in very hot weatherith trees; at its 8 . W. point thore Brandy Potes, and conn . Statim. thery hot weathar. A lith to the eastward of the
 Hare Ialand is a raf of rocks' which dries at lown the Noggin and the edy ond of

-Ind ground extending from it, 4 mil $\rho$ gouthr side of Hare Island has a flat of Tha whote of thia side of the inland ing ade fand about half a mile in breadth.

abluth miop, and driop for the greaiat-parto of that distands to the north-eact ward for adangerops, beaveo, themo is no mark to clear it and the flood-tide sets trongtromely and orar it into the Nouth Ghaniel. Near tho middle flood-tide sets atrongly apon
 dide of Hare Ieland and the eouth gide of White Inlet. are touching, and the , the north

 the rear and Red rate ice o miluan wide and froe from danger.
l by a channel ring along the ba broad, with ank, there is a ong the wouth vensel should irf 3 fathome, land, bearing hich lies with Kamouraeca Hare Ialand, feet marked W. $\frac{1}{7}$ W., and To the eastthoms. From miles, to the small patoh 18 alose-to all - N. W. point point of the - art 4 to 6 outhitwestert emity of the of Cape. Ithe high d, $8.30^{\circ} \mathrm{W}$.; of Bayrof or du Loup, rer du Loup. $63^{\circ} \mathrm{W}$., oine a., Botween ho oinpuel, Rocke and in with the
uthern side, he southern Pot is the point thero ward of the the Nogrin; enat ont of re Ieland, vill almayo.
4s. a flat of in breadth.
estward for Pextromely ongly upon fitiontiot ; the north west point ome at low FE and of

THE PILGRIMSI are five iglete lying at the diatance of it milles from the thore on the south side of the South Channel, with no passage between. They are about it miles in extoint, and are connected togethor by reefs, which dry at low water. The largest islet is also the highest, being about 300 feet high, and partinlly covered with trees: abretst of it is anohorage for amall vessols, in 21 fathoms wator. Outside the Pilgrims chonl wator of 2 fathoms extends to the diftence of about hulf s. mile, and thence it extende to the eastward and westward parallel to the ahore, from which it is distant fully 8 miles. To the enstward of the Pilgrims this ehoal wator takee the uume of the Bano du Loup, and to the weatward of those islande the Bint do St. Andre.

The Pilgitm Shoal is long and narrow, and runs for the distanoe of 4 miles in a drreotion nearily parillel to the shore, from which it is distant onily milet. On the northern side there is a black buoy, lying in 4 fathoms, with the weat ende of Have and Great Pilgrimi Idande in a line bearing N.N.W. \& W, and S.S.E. \& E. The oanterin end of the shoal, in 8 fathoms, lies with the N.E. ond of the trees of Hare Island and the eastern side of the Brandy Pots in one, bearing N. \& E. On this shoal there are $2 \nmid$ fathoms. The leading-mark through, between Pilgrim Shoul and Hare Island, is the north eide of Bugnt Isiand just open of Grand Island, bearing S.W. + W.

THE KAMOURASCA ISLANDS Ho nearly 0 miles to the Festward of the Pilgrima, and 21 miles from the shore. Behind them are the ohuroh aurd eottlement of the same name. The islande eltogether osoupy \& apeoe of about 8 miles; the two northern named Grand and Burnt Islands are steop-to on thenorthern side, end must be appromehed with care. Off this part of the coist there is geod anchorage, with the Ohuroh of Kamoarason juat open to the wentward of Crow Ialand, bearing S.E. 立 E., and Grand Island just open to the northward of Burnt Ialand. Here, you will anchor well sheltered from the provailing winds, but exposed to the N.W.; the depth is 7 futhome, stiff mud, at a short distance from the 8 fathque odge of the bunk. Large vessels whshing for more room may anchor farther out anywhore to the westward.

From the Kemourasos Islands a shoal bank linee the const to the wentward, whioh nay be sproched to the depth of 7 fathoms up to the bnoy on the shoal of St. Ann.
Erom Orow Ialand Cape Diable bears S.W. I W., distant nearly 8 milee; from the Che, in the direction of Crow Island, a rocky reef runs off, the eastiernmost part of whick is covered ${ }^{-a t}$ a quartor-flood. At 2t miles abovo Cape Diable is Point St.' Denie, 0 eonthward of which is a little cove, having good riding opposits at 1 t milee fro, the shore, in from 6 to 8 fathome.

The land from8t. Denis runs 5 miles south-westward to Point Ouelle, and is all lowns. with rocks before it. From Point Ouelle a bank runs off, and lines the shore for a distance of 8 miles to the westward, as far as Point St. Roque, and extends off the oosst fully 4 miles; over this sand and mud flat are scattered many largé stones. Just under Point Ouelle is the river loading up to the ohuroh and entaloment, which will admit ressels drawing from 10 to 15 feet water. The cone (tetween Points Onelle and 8ti Hoque bende inwarits, forming the Bay of 8ti Ahn, ght shoth all over by reason of the band and mud flat proviously mentioned; aly bey is a settlement of the same name. At the northern edge of th , 31 miles N.W. from Ouelle Point, is a black buoy, and at 4 miles N.N.W. Xem 5 t Roque, th a lightreseol; both of which must always be left on the port or south nide whot bound upwards.

TH2 ENORTH SHORE mom the Sacumat to Ooudess Iamind-Fiom the Seguonaja to Coudres Iolind the northern thore of the river ir bold and mountainous. In most perts the granitio hille rite immediately from the xiver, forming otcop proojipit tous hendiands: Near the entrance of the Saguenay these hille are about 1,000 foet high, but those of the Eboulemens attain an alevation of 2;047 feet above the tide ratorn of the river.

At $8 \frac{1}{3}$ miles 8.W. of Lart Point is situated Cape Besque, and sbout 14 milen to tho northward of the cape lien Echafaud Isletice emall rooky islet in the motsth of toovo; it beare 6 miles W. $\%$ B. from the S.E. extreme of Lart Reof, the ahon of whictr ex: tenden as fir as this pleces Basqua Riond la a well-sholtered avohoras lying of triey the best poation boing the Eobefard bearing: W.N.W, rather lem thers a pilld din. tant, in 10 or 11 fathome, over olay bottom.

The Bay of Rooks is about $2 \frac{1}{4}$ milee sonth-wentward from Cape Basque, and affords ohelter only to boats. At $6 \frac{1}{4}$ miles S.W. $\frac{1}{4}$ S. of Oape Basque is Cspe Dogs, whioh is quiti bold and high; and similar to it is Oape Salmon, whioh is situated B.W. $\frac{1}{4}$ B., $0 \frac{\pi}{4}$ miles distant from it. About $1 \frac{1}{}$ miles farther to the weatward is Port Salmon, whioh, like Port Parsloy and Shottle. Port; to the oastward, mere only boat harbouru. From hence to Queboc the settlemente aro nearly continuous. At ó milles S.W. by W. 1 W. from Cape Salmon is situated Cape Eagle, which is of the same oharaoter.

MURRAY BAY. -This bay.lies at 61 milea W. by S. from Cape Eagie, and is 14 miles wide, and nearly as deep. A rapid and unnavigable rizer falls into the hoad of it; and'the bay la nearly all dry at low water, except tho shallow channels leading to of river. The anohorage is close under the high rocky shore, iz little to the enstward of the bey ; with Point Gaze, its west point, bearing 8.W. $\frac{1}{4}$ W, ; Point Pique, its east point, W. by N., abont 400 fathoms; and Point Heu E.N.E. + E.
Goose Cape lieq 91 miles 8.W. . S. from Point Gaze; it is bold and racky, and formas the western extremity of Mal Bay, while Point Gaze, on the west of Murray Bay, forms theienstern axtremity. Mal Bay is formed by a olight inourving of the oonst, and shogle extend a quarter of a mile off shore, and there is no good, anohorage
At 8 miles W. by 8. from Goose Cape is situated Oape Martin. Between these cappes the shore is rery alightly indented; and the shoals dry out about one quarter of a mile, that is, nearly to a line joining the two capes. About half way between them, but rather nearer Goose Oape, a stream descends a ravine, and off the mouth of the latter in 7-fathomery with Grosse Rock bearing the Grosse Rock. Anoherage may be obtained tides, which run past Goose Con bearing N. by. W.: here ypu will be ghsitered from the rippling. :- past Goose Cape with great rapidity, and ocoasion at times a strong OOUD end of the in ISLAND.-This island is abont 61 milea long and $2 \downarrow$ wide. The east ite south shore, and the north side of the islend a mile out from it, as they do alse off its N:E." point; but Prairie Bay lies near the ositre of the about 2 miles to the eastward of Prairie BayPrairie, ite west point, ahol corere north sido of Coudres Ieland, and off Point from high-water mark, and shelters the bay from S.W. winds. The lino of Notre Datne Church, in oné with the N.E. end of the low olay cliff of Point \$t. Joseph, paseses 100 fathoms within the 3 -fathome north extreme of this shoal; but if the church be kept on with the N.W. end of the same oliff, it will lead clear of the shoal in deep water. The Cross mark for the north point of the shoal is St. Pierre Churoh and the east side of

## THE NORTH, MIDDLE, AND SOUTH OHANNELS TO QUEBEC.

THE NORITH CHANNEL. lies to the northward of Coudren Island, and runs along the northern shore of the river; and on the sonth side of it is the line of shoals which Taleands from the west side of Coudres Itland to Burnt Oape Ledge and tho Bayfold Isleas It is a fine channel, and although not so convenient for the purposes of narigaat times, as it frequently remeinh is the most generally ysed, atiil it maly be of service Ohannel beoomes upnatigating open, or, free from ice, some time atter the Bouth The eantern enupnarigable in the fall of the year.
E.N.E. of the N.E. ond of Coudresi Islen betroen the reef which extends a mile to the there is a large settlement. You mas and and the shonls off Eboulemens Bay, where the channel, by leeping one mile fom the sonals, on each vide of this part of nearer than 10 or 12 fothoms water; the the northern shore, or, not approconing it Oape St Jotoph being Oppe Goove nnd-Cepe = for olearing the shoals westward of BE. PAVL's BAY, opposito the weat end of Ooudres Telend is by N: a great ripple att tome distence off end. Ooudres Islend, is.shoal and rocky; it hes point named Oape Labicie has shoals of mape Corbeau, itspastern side. Its wentorn quartare of a milo, and. Which also extond for 11 ' miles to the axtending off it for threo-

## AND SOUTH CHANNELS TO QUEBEC．

0 ，and affords loge，which is S．W．+ S．， 0 童 almon，whioh， bours．Frpm ．by W．$\frac{1}{3}$ W． 1 lie，and is 12 to the head of els leading to the emotward ique，Its eatst
d racky，and at of Murray rving of the od anohorage $n$ these oapes ter of a mile， on them，but of the latter： be obtained ored from the aes a strong

The eart d shoals line point＇；but Prairie Bay． nd off Point to the N．W． Notre Datme pasces 100 $h$ be kept on rater．The east side of ts wentorn for three． ard to an
equal distance off shong；to cloar them off Labaie，you muat bring the extremelwentorn Capes Rouge and Gribanne open to the sonthward of Capo Maillard，s．W．+ W：
Aftor dearing the NiW．reef of Coudres Island by the before－mentioned mark，there is a fine straight channel from $1+$ to $2 \frac{1}{2}$ miles broid，entirely free from danger，and ex－ tonding 18 or 19 miles to the Burat Oupe Lodge．The depth does not excoed 17 fathome，and there is good anchoragd towardx the sides，out of the strength of the tides，whioh run atronger and with more bea in this long and open reach thari in the Eqtath Ohanael．
The southern aide of this chennol is a benk，extending，es before mentioned，from Coudres Island to Burat Cape Ledge．Its edge is nearly parallel with the coast，and： is earily followed．
The Noptune Rook is nearly 1s imiles S．W．from Condres Island，within the edge of，this sonthern，shoal，and is ensily recognizod．
The North Shore is high，anid，as previously mentiontd，is lined with ahoals．＂At 14 miles 8．W．of Cape Maillierd is a landing place named Abattis； 2 miles to the sooth－ wept of whioh is the Sanlt an Coohon，where the shosid，which line the shore，cemse． There is only one lending jlace，La Gribanne，between Abattis and Oejo Toarmente， a distance of 11 miles．To the wentivard of the Sault au Coohon the mountainous and uninhabited coastis quite bold，the high and preoipitous oupes，of various，granitio rocks，being weibed by＇the river as far as Cape Tourmente，whore tho Seminajre Bank commences，and the mountains trend to the N．W．away from the shore．

The Burnt Cape Ledge，nearly opposite Oape Brule，from whioh it is distant 1 世 miles，is composed of slate rooke，and is very dangerous．Its S．W．end is always above weter，and bears S．W．$\frac{1}{2}$ W．， 41 miles，from the Noptuge Rook．

The Brule Banke are to the westward of the Burut Cape Ledge，and are joined to． it by shoal water．－Their northern edge is oply 600 fathoms from Cape Brulé，and the depth of water between them is 7 to 10 fathome：Between their A．EL．point and Burnt Cape Ledges there is a bay，but it has no passage through to the weetward， and must therefore be avoided．On the N：E．point of the Brule Banks，in＇ 8 fathoms， the west end of the Burnt Oape Lodge is，in one with the east side of Heron Ialand， bearing S．E．

The Treverse Spit lies between the Brule Banks and the eqsitern point of Orleans Ioland，its N．E．part forming，with the S．W．part of the Brule Banks，the：Eastorn Narrows of the North Traverse，whioh is only 250 fathoms wide； 4 fathome can be carried through within this breadth．The Traverse Sipit and the Hotee Shoe Bank to the N．W．of it，es well as the Brule Banks，dry，for the most part；soon eftor half－ obb；and thereby greatly lessen＇the difficulty of the passege．

Four fathoms can be carried into the Traverse，and the mark for leading through the Eeptorn．Narrows into it is，the S．W．point of Reaur Island and Point St．Villioz in one bearing 8．8．W．W．From the Sastern Narrows the Ohapnel runs 8．W．by W．alobe along the southern edge of the Traverse Spit，leaving all other shoals to the siouth waid．At the distande of $2 \frac{1}{2}$ miles we come to the Westerr Nerrows，whioh are also 200 fathoms wide and 41 futhome deep．The Wegtern Narrows are betrieen the Trayorne Spit and the West Sead，a sand which is $1 \frac{1}{}$ milos long，and has 7 feet loast wator upon it；：its eastorn extremity is，or was，marked by a ohoquored buoy．The maft for leading through these narrows，aftoi heving arrived es far ai the ouist ond of the Weat Sand，（whioh will be when Berthigrôturch is just open of the S．W．point of／Reaux Island，bearing 8．子 Wif）is Points＂St．John athd Dauphin，on the south side of Orieanie Riland in one；bearigs色AW，$\frac{1}{2}$ W．
Having cleared the Westoth $1 /$ tho
 and with good anohorage alf thej，y to the South Channel at Point St．Johin，a dif tance of nearly 7 milee：
The ohannel to the northward of the Island of Orleang has wator enough for the largest hips，butit is too narrom and intricate for general use．There are also no． leading maxke which could be made available．
THH2，MIDDLE OHANNEL lies between the shoals and inlande which form the northern aide of the South Channel，and the long line of shoals and reefs，which extend from Coudies Islend to Reaux Ioland，at the enst end of the Island of Orloans． The entrance，to the north of the Seal Ielands，has not more than 8 fathoms at low
water; but having passed this shallow part, there in depth and room enough for the
largest ithips, until we arrive at the Bayfield Islands, where the Middle Traverse islends. There is plenty of water averse by various narrow passages between the tidem set strongly through them; and thorigh it mast of these paseagen, but the largest ahips up to Quebee by the Middle Channol, werre it requinite to take aven the do so, yot they are too intricate and diffioult for general navigation from any cause to

THE SOUTH TRAVERSE.-Between Poingongral navigation. shore of the St. Lawrence is low, but een Point St. Roque and St. Thomas the south able elevation at the distance of a few miles bery rises inio wooded ridges of conaidershore the houses are numerous, and are grouped from the river. All along the south St. Joan, Islet, St. Ignace, and St. The grouped into villages round the Ohürohes of The Churches of St. Roque, St. Jeai, and Iotet ere supplies may always be obtained: and are distant nearly 7 miles from each other, the la low down near the water's odge, Reef. The River Jolie lies about $2 \frac{1}{2}$ miles sho last being opposite to Goose Idrand Church of St. Jean; , and the River Trois Saumore or to the south-westrard of the tion: both afford shelter to small craft and good landine farther in the same.direowater, and there are 12 feet water in their entrances at for boats, excepting at low 18t miles to the westward of the Cburoh of $S$ t. atands about threo-quarters of a mile back from cean liewthat of St. Ignaioe, which rooky peninsula, which will be easily reoognized At for St. Ignoth, a emall round, Ohuroh of St Ignace lies that of St. Thomas, which $\mathrm{y}^{\prime}$ miles to the westward of the the River Sud, and nearly opposite the west end of Grands on the western bank of falls into the St، Lawrence, by a oascade of 30 feet jugt within itand. The River Sud In thia oxtent of ooast ehallow water oxtends out to within its entrance. generally cilled the South Bank. The part of this bank which ple diatance, and is. from Point St. Roque to the lightvessel at the Triserse, which projects 4 miles out of the '8heal of S. Roque, is extremely dangerous, being cominposed own by the 'iname of sand, mud, and stones, over slate rock. Over these ehoois the of a thin ieovering many parts doees not exceed 9 or 10 feet. Over these, ehoals the depth of water in The Narrows of the South Traverse Ground; the esst ond of the Middle Ground between these shoals and the Middle N.W. by.W., distant 31 miles. The niarron lies with the east end of Coudres Island a lightvessel, bearing a fixed light, whioh lies part of this channel is pointed out by buoy* on St. Ana's Shoal; these must be left on your port hind going up. The utmost atterttion is requisite here, as it is oonsidered, and with reason, fe.be the moat iptrioste of the river a benk stretohes all the way frous, irregular, and strong. In the middle is generally about a mile wide, with 8 to 14 Hare Island to the Middle Groind; it If good anchorage.
to be lof on the starboard hen the lightvessel is a red buoy on the Middle Gmound, St. Roque, to be left on your port ind nearly opposita is a black buoy on the Shoal of to be left on the port hand, oppocife to whioh is ales $8, W$ : from this is a. black buoy, Midale Ground, to be left on your starboard is a red buoy on the S.W. end of the Iattar buoye to the lightvessel, 2 distance of 3 miles, The narrows extend from theow quaxtor of e, mile wide, with 4 to 10 fathomis at miles, and are: little more than one buoy liee fearly $2 \frac{1}{8}$ miles SWi. S . from the law water, apring-tides. Snother black your porthand; there in also a black from the last black buoy, and is to be left on further to the S.S. west mard, and a little farther on iet patch, off St. Than, 2 milos moyion the Traverse Iatch, of 3 fathome, to be left on ohequered blyt-andwhite these is plenty of water on the north side of be left on your starboard band ; but coursen 24 miles, bringy you ahreast of the Shis buoy. From hence a S.W. by S. light.

- Tho Pilu if rethe A vignon in quarters ebb; lies it the distance, of $\% 2$ cables .tide rock, round on the top, ind dry at thrge-
 southward ofithe large roof of Goose Ieland , Crane Island, kept wili ; in to to
 the north bankik red, with a foy exceptioni.
nough for the ddle Travierse between the ageen, but the take even the a any cause to tans the south bf oonsiderong the south a Olbürches of bo obtained: wateía edge, Goose İland. struard of the - sume .direoepting at lom ng-tides. At gnaoo, which small round, stward of the tern bank of 10 River Sud 100. cance, ayd is 4 miles out by the'name hin toovering of water in
the Middle Idros Ieland nted out by n the , blaok The utmost zat intricite the middle Ground; ;it erly named aud, affoŕd-
le Ground, he Bhoal of dack buoy, ond of the Crom theos Ithan ons ther black be left on m, 2 miles nniwhite hand; but s.W. by s. revolring


## yat tibree.

 the en an to It. The- Rione or

Pilier Boine, or Woody Pillar, a high round rock, with trees on the wostern part of it, lies at a millo and $\varepsilon$ quarter to the west of the stone Pillar. At half a mile to the east of it is a rook named the Middle Rock, with a beacon upion it, dry at halfebb. To the agrthward of the Piliers or Pillars are the Soeal Ielanas and Reefls, having an oxtent of nearly 4 miles N.E. by E/and 8.W. by. W. In a conididerable extent the: rooke whioh form these reefe are dry at low water. The bank on whion they lie is extensive on the N.E. towards Coudres Toland. At $1 \frac{1}{4}$ miles B.W. t W. fromi the Stone Pillar, is the commencement of, ledge of high rocks, named the Goose leland Reff, extending thocoe 3 \& miles 8.W. I W., the weetern part of whioh ie compoeed of rocks, always above water, and steep-to on their south side. Theye is a natrow ohannel only hit for small oraft, betreen it and the N.E. end of Ooono Iolend, to whioh it lies pariellel at the distannoe of a long half-mile. e", ",
On the Stone Pillar there is a light revolving etery $1 \frac{1}{2}$ minutes. The building is 38 feet high, and the light being shown at an. elovation of 68 feet aborat the water, can be seen about 13 milos off.
GOOSE IBLAND is connected by low meadow land to Crane Ialand, the whole of which oocupies an oxteht of 11 miles in a direction of N.E. \& E. and s.W. I W. From the ionth side of this low land a shallow flat runs off nearly a mile, and narrowe the ohannel very muoh as you ápproach the Beaujeut Bankron ench ond of which a white buoy is now placod. The easstern buoy lies with Onion Ieland N. N.W. by W. I W anind the western buay with the farm-house on Crane Tiland N. by W. A farm. housef hay be seen on Goove Inland, to the oastward of mhioh, and close to low-water :. mark, there is a large rock named the Hospital Rock. Two milos and a half to the westward of this rook is a long reef, dry at low water, but it is out of the fairyay, and olose along the island. The north side of Crane Illand is in a good etata of oultivation. On drawing toward it you will see a farm-hbouse on the east end. To the S!E., at half a milio from this house, ie the edge of the Boanjeu Bank; a narrow shoal, - whictroxtends 2 miles thdince to N.E. $\frac{1}{6}$ E., and has, po its ehoalest part, only 8 ak - nel, having 4 to 5 fathomp in it, but just within the wost entrance of this 8hapnel,
et . lies a kooll, of only 12 feet. The ohanmel hetween Beaujeut Bank and the eastern end of Orane Island has 4 to 5 futhome in it; but its breedth soarcety excoeds in (\%uarter C a mil. Two red buoye are placed on the N.W. side of this channel, opposite to thá white buoys on the Beapjeu Bank. ${ }^{\text {en }}$
 aland; tre Margaret Igland; next weatward is the Grosse Island, and the Isle du piux, and the westernmost is Madame. The whible of these islands, from Cran to the west end of, Madane Island ocoupp aspace of 14 miles. There are ter il passiges between the isles, but they ar'e toq intrionte to be understood without - reference to the ohatt.

A reef of rocke extends half a mile from the westem end of Crane Island, and driet at low water; and a shallow Pplt runs oat $1 \frac{1}{4}$ miles father we ward, on whioh e' red buoy is placed, with St. Thomase Church bearing $S$.E. 1 . . Grosse Islañd iepinhabited and is 2 miles in length, lying N.E. by E. and "S:W. by:W.
lignix Ialand itsabout 150 feet high, and rether longer that Grosse Ialand, but narrower. Medame Island is somew'hat simaller than Repuix Island; both are oovered with. treets 1 rockj reef oxtends 8.W. by W., 21 nitiles, from Madame Island, and dries for the most at at low water; and ships ought not to go nearer to it than 7 or 8 fathoms water 4 The mpark to olear it is, some part of Reaux Inlaid kept open to the southFard of Madanif Filand. The wepterre extremity of the reef lies with St. Valligys - Churof bearing S. E. A red buoy now marks the western point of this reef, thith here divides the festern extreme of the north from the south channel.

At Growse Islant is the quarantlne station, the entrapices to which lies between the island and Margaret Island, and is marked by a red buoy on the south, and a ohe quefed buoy on the north side; your oourse in from the South Channel ishabout N. 87
 ${ }^{2}{ }^{8}{ }^{8}$. W. F . N. from the on trance of the River Sud. the Rant of 8t. Thotinas, extonds more than half.way over toward Crane Inlana. Its S. $\frac{7}{4}$ Ey : Tho. Wye Rooks lie immediatoly to the north of the Point of 8t. Thomas. They are ceparated from the western part of the Bank of St. Thomas by \& obannel nearly a quarter of a mile wide nid 4 fathoms deep. They form a narrow ridge 400 fathoms ing mark is Belle Chase have 4 feet least water at their western end. The olearcables to the northward of the rooke, and aint St. Vallier touching; this leads about. 2 St. Thomas, in 4 fathoms. ${ }^{2 *}$. At 53 milee WS.W.
Village. The intermediate Whom Point 8t. Thomas is situated Berthier Chureh and off it a thind of a mile. Close to the eastward of the ohurch is situated the Trou de Berthier, a tide harbour for the river craft, and dry at low water.
Belle Chase Fsland lies parallel to the shore, and ifs west point bears W. by'N., a mile, from Berthiar Churoh, and not more than 24 fathomes can be carried through
between the island and greywacke rocks. North from the The island is composed of high, steep, rend bare fathoms, lies a small pointed rock, nearly dry the island, and at a distance of 110 between it and the island.- $A$ shallow bay lies within the island to them 4 to $\theta$ fathoms small river Belle Chasse. A shallow bay lies within the island to the S.W., and the At 21 miles W. 1 S. from Berthier Church is situated Point St. Vallier, whieh is the Traversé. At 3t migher than any other point below it on the south shore, above

- distance to the very low. Reefs of slate, dry at low water, extend a considerabi. distance to the N.E. from both these points, but espeoially the extend a, considerable of the shoal bay between Pointe St. Michel and St. Vallier, and at 2 miles S.W. by W. from the extremity of the latter, stand the ohurch and village of St. Vallier. The three-quarters of a mile to the who bay between these points, snd extends nearly from Point St. Miohel stand the Village and Churt St. Michel. At 2 miles W. by. S. Durantaye, a mile to the westward of the church of the same name, and at Point fathoms off shore.
The Beaumont Reefs commence from from the'shore until opposite Point St. Point Durantaye, extending more and more northern edge, in 3 fathoms, is nearly threwrence, on the Isle of Orleans, where their lese from the shore as we procegd farther to the coase about a' mile to the weet fard of Roy's Mill, the shoal water the considered to 130 fathoms from the shore. These shoals are rocky and water there reaching only and their northern edige if moep with very deep weth, and dry in part at low waters lead is insufficient in a fessel going fart, and therefore these The warniug by the proached with great caution. A blick buoy is now pleoe these thouls should be apBeaumont Reefs, with St. Lawrence Church bearing North At E miles W.S.W. of St. Michel stand Beaumont Churth a mile to the westward of Beaumont Mill is sithmont Church and Beaumont Mill, and fall. At $6 \frac{1}{1}$ milos frem Beaumont Churoh standed Roys Mill, where there is a waterBetween Point Levi and Roys Mill the shoal water Joseph Churoh, on Point Levi. of a mile from the shore, ©Of Point Levi water nowhere extends above a quater ward, and should not be approaohed nearer than 10 fathome fathome to the northand weat, or $\%$ fathoms from between north and east: 10 fathoms from between the north THE ISLAND OF ORLEANS - This filand is bragith is 4 miles. It rises gradually from generall miles long, and its extreme elevation; estimatod at 350 or 400 feet thove the water, 1 gteep hanks to the central the northern side of the South Channel, from water,' It forms by its southern. shofl of Quebec, a distarioe of nearly 14 miles. Its norposite Madame Reef to within 8 miles reef of rocks running along it; but, on the southern shore is flat and muddy, with'a pointed rocks risligg up here and there.

The Churohes of St. John and Bere. tanoe between them being $5 \frac{1}{2}$ mile Lawrence stand near the southern shore, the dishouses, Patriek's Hole is a little to the westwart highly diversified with gardeus and and well-sheltered cove, where vessels outward-bouind coint St. Liwrence, and is a safo

[^12]14 f
good,
sides.
hous
At
out :
10 fa
dry
wate:
nearl
${ }^{8}$
the
Wha
to th
Tt
rapic
of 7
laws
TI
thin
the
Mon
T)

Nov
mida
bep.
Apl
whic
Que
and
brid
Ont
sury
is di
Rap
of the island; yurch. bearing

Thomas. They rannel nearly a ye 400 fathoms id. The clear3 leads about 2 of the Bank of
or Church and tor extending id the Trou de
s W. by'N., a rried through eep,rand bare tance of 110 4 to 8 fathoms 3.W., and the lier, whieh is shore, above Pd Point St. oonsiderable On the shore 8.W. by W: allier. The ends nearly. les W. by.S. and at Point lo only 100

9 and more Where their Chey extend neidered to aching only low waterg ling by the. uld be apedge of the $t$ Mill, and is a wateroint Levi. in quartor the norththe north extremè le central iern.shup in 3 miles dy, with'a ith a few
, the disdens and lis a safe 0,12 , or

14 fathoms, provioualy to taking theirfinal departurs; the,ground oannot be considèred good, but it is well sheltered from easterly gales, and the river here is bold on both sides, and is about $1 \frac{1}{q}$ miles wide. On the western part of the point is a cluster of nest houses, where accommodations of all kinds may be obtained.
About a mile eastiward of the west end of Orleans are the Merand Rocks, running out $2 \frac{1}{4}$ cables' length from the ehore; 'they have 6 . to $\theta$ feet water over them, and 10 fathoms in sailing past them. At the S.W. part of the island are other rocks, whioh dry at low water; these are olose to theland, and may be safely passed in 10 fathoms water, The Church of St. Peter is situated about 4 miles from the western point, and nearly opposite to the Falle of Montmorenci.
Quantio.-The Basin of Quebec is about $1 \frac{1}{4}$ miles wide from Point Levi across to the sbore of Beaufort, and about 3 miles long from the west end of Orleans to the India Wharf at Quebec. The Harbour of Quebec extends from off the River St. Charles up to the Chaudièze River, a distance of 5 or 6 miles. :

The Port of Quebec coimprehends all the epace between Baruaby Island and the frrst rapid above Montreal. Information respecting quarantine is given to the commandeŕs of vessels by the pilots whon they first come aboard; and a book containing the bylaws and harbour regulations of the Trinity Board is delivered to each vessel on her arrival by the harbour-master.
The City of Quebeo is cituatod on Cape Diamond, and it is difficult to imagine any. thing more beautiful than the view which euddenly bursts upon a stranger asoending the St. Lawrence and entering the Basin of Quebec, as the veseel opens out the Falls of Montmorenci on the one hand, and the City of Quebec on the other.

The navigation of the River St. Larrence is closed by the ice from abont the 25th Novembei to the lst May: The navigation nometimes, although rarely, eloses by the middle of Nevember, and remains closed to the th or 10th of May; at others it would bopossible to riavigate it till near Christmas, and ehips have arrived in the middle of Aptil; but these are extraordinary seasons, and the period first named is that during which the navigation usually remains closed. The river seldom or never freezes below Quebed, and only occasionally opposite the city; but it is full of heavy iee, moving-up and d $\rho \mathbf{w n}$ with the tides with irresistible force. There is generally, but not always, a bridge of packed ioe formed 6 or 6 miles above Quebec; and higher up, as far as Lake Ontano, the St. Lawrence is everywhere frozen across, exoepting in places where the euryont wory strong.
The Ifver St. Lawrence extends from Quebec to the oflyof Mentreal, from which it is distant 155 miles, and from the Island of Bib 90 Yeagues; It is navigable to the Rapids of Richelieu for vessels of 000 tons; the impedimentsare few, and those very easily surmounted.

From Quebec, the shores of whioh are exoeedingly lofty, the hills gradually deeline, and become léss elevated, until you reach the River St. Maurice, where the tide entirely ceases : here, on the north side of the river, stands the tow of the Trois Rivieres, or Three Rivers, beyond which, at the distance of 38 miles is the Richelieu Rapid, at the entranoe of which, and above the Lake st: Pierre, is the fown of William Heriry, formerly nämed Sorel. Lake St. Pierre is 22 miles long, and in some pleoqs nearly8 in breadth ; but ite western part is encumbened with numerous islands, which divide it into several channels, two of which are tiavigable : but that on the south is the cleanest, deepest, and best, and is pointed out by a lightvesgy and buoy. The banks here are low, and shelve off to a considerable distance, leaving only a narrow channel. of from 12 to 18 feet water: the river here is obstructed by masses of rock, and at the ebb-tide the descent of the rapid becomies so great, that the ptmost caution must be taken to pass it; vessels, therefore, should wait for, a proper time of tide, and, if necess sary, they may anchor at the bottom of the rapid until a proper bpportunity ocours. From hence to Montreal the banks are of moderate height, and unfiformly level.
Montreal is estimated as the most fortile part, of Lower. Canade: its port is convert nient, and situated on the S:E. of the city. . The harbour is not large, but vessels drawing 15 feet water can lio close to the shore, near the Market Gate, and both deliver and receive their eargbes with expedition : the depth genorally from 38. $4 \frac{1}{4}$ fathque: its great ineqnvenience arises from, the Rapfa of St. Mary, which is sbouta mile below, whose ourrent is, sometimes so powerful, that without the beneft of a N.E. wind, ora stoam•boat, pessels may be detained for woeks, withín two miles of the apot wher their freight should be delivered treal with oargoes, may engage steamers for towing at Quebec. 'There is a regular rate of charges for towing ships, acoording to their draught of water and breadth of beam, for the whole or any intermediate distanoe that may be required.

## TIDES IN THE RIVER ST. LAWRENCE.

On the deys of full and ohange, it is high waternin the siver as follows:-Noar Cape de Montor ou the north side, at lh. 52 m . In Manicouagon Bay, at 2 h . ; here spring. - Cape Ohatt the time is 1 foe. At Bersimis Point, 2h. On the south odast, near

Off the river Matan, the time is 2 h . Metis Bay, thot the is 2 h .10 m. ; springe rise 18 , and, and neaps. 0 feet. At Grand about, the ourrent on the surfece always runs downw neaps 8 feet, Off thbte hére-
The time of high water at Green Island is 2 h . 15 ward, from $1 \frac{1}{4}$ to 21 knots.
07 feet In the middle of the river, off the eastem ; spring tides rise 16, and noaps the north shote turns to the southward and satern part of this island; the flood from aind thus below the Isle Bio, the stream setto oonstennee eastward off the eouth fohore ; 24 knots as before mentioned. At Kamburascas 4h.; at the Brand St. Roch or Roque, 4h. 50m. Here Pota, 3 h .; in the Traverse, 4h. $\mathbf{8 0 m}$. "Off Point the stream never bends to the westward 6 hit hours, and flows 5 . At the Isle Bic neap-floods are here very weak; and, with untaterly an hour's flood by the shore. The spring flood is, however, always found, within Point and Bio. The ebb-atream from the River mas of the shore, betreen Father south-eastward toward Red Island Bank. Oiver Saguenay sets with great foroe Islet, there in littie or noflood, but a great rippla Green Island, between it and Red tide, when regular, flows tide and quarter-tide; but it is way hence to Quebeo, the wind, and by no means to be dependedion, as to its running, anyed greatly by the Island, where there is a regular (?) stream of ebb ind flood. ${ }^{\text {a }}$, anywhere. below Here Between Barnaby and Bia the stream of flood abont 2 knots; then fair through the ohenvel untirls in from the N.E. at the rate of the N.W. by the weat end of Bio, and then grair last quarter flood, when it sets to The whole of the ebb, both to the eastward and raly. to the N.E. as the flood slacks. to the N.E. The current between Biquatte and tward of the island, sets strongly strong to the N.E., without any regular ohinge and the north const is geterally very as in epring-kides, this ourrent slacks, andjo near Biquette, summer and autumn, as well flood; but, until the upland waters hive war run do discharged the freshes, caused by the throwing of thwn, and the great rivers hatio this ourrent always runs downward. ... of the snows in the epring of the year,

From Bic to Green Island, on the ceptible at a mile and half from the islands The stream of flood is nowhere pern otrongly from the N.W., out of the Rizer Saguenay, obb, or rather durrent, comes northward of Red Island, and joining the eddy-flood, before exph the channol to the constantly downward oourse of the sitream. Here it before explained, inoreases the 2 miles an hour, with a westerly, wind; but only so to the runs in a S.E. direotion, Red Island. Between Red Islandiand Green Ieland the southward and eastward of In crossing over to the north shore, this eastorly for, on the north aide, the flood is pretty regy vurrent will be found to diminish; ward of the Rezado Rocks, and near Bio thular, and the obb mueh weaker: Eastsets strongly between Bio and Biquette. To the sount assumes a N.E. direction, and at the rate of a lnot and a half; neaps are not perceptiblo of Bio, spring-fioods run southward of Bic, with is soant wind from not perceptible. Ships that come to the oheck the S.E. current, untill they oome into 18 fothward, must atoor W. by N., to whence they proceed for Green Ieland. .. The first of the flood, spring-fides, se Isiand, and strongly towards the west ond of it- then alonete north aide of Green Cucone lo the middle of the ohannet no flood is pero flee the reef toward nouthward of Red Island it sets strongly to the N. W. And une obb At twa milee to the Al.
bound to Monere is a regular and breadth of d.
w8:-Noar Oape l. ; here springuth obaet, near ad neaps 8 feet. et. At Grand Dff sbote hére1 knots.
16, and noape the flood from e southybore ; e rate of $1 \frac{1}{3}$ to

0m. "Off Point It the Isle Bio , shore. The orceptible, A tween Father h great force n it and Red 0 Quebec, the reatly by the o. below Hare
at the rate of hen it sets to flood slecks. etts atrongly merally very umn, as well ward, during rivers hatio of the year,

بowhere pert, rent, comes nnol to the creasen the i. direotion, enstrard of to 61 knots. diminieh; rer. Eastaction, and fioods run ome to the by N., to to Basque, of Green of toward ilee to the During
spring obbe, the meeting of the N.E. and S.D. tides; near the midale of Green Ioland, osuses very strong ripplings : and, to the eastward of Green Ieland, the S.E. iobb comes etrongly about the east ond of Red Island; here meeting, the N.R. tide eauges a high rippling, much like broken witer in etrong easterly winds: but in neap-dides, the floods are very weak, and in the spring of the year thore are none. This repders the part of the rivar now under notice more tedious in its navigation thain any other, unless with a free wind.
From the west end of Green Island a.regular stream of flood end ebb cominenoes, which runs five hours upward ard seven downwird. At the Brandy Pots it flowe tide and quarter-tide ; and, above the Peroée Rocks, on the south shore, it sets regularly up and down, N.E. by E. and S.W. by W.

From the Brandy Pots, the etream of flood sets toward Hare Island; and near the west and N.W. With great strength, through the paysage between the island rand shoal. Above Hare Ieland, the flood sets regularly up the river; the ebb sontrariwise. From the Pilgrims up to Cape Diable the flood is very weak, but it thencee increases up to the buoye of the Triverse, where it runs at the rate of 6 knots. The first of the flood sets towards the English Bank and Hare Island Shoal, when sbreagt pf the greater island of Kemourasea, and the ebb contrary. In La Prairie Bay; on the north side of the Isle aux Condres, the time of high water is 4h. 25 m ., and bere it flows six hours ; the ebb stream oontinues an hour and a quarter after low wator, taid the flood threep quarters of an hour after high water.
The tides in the North Channel being half an hour earlier than in the Southern channels, the first of the flood eets etrongly on the St. Roque mad St. Anne's Banks; and the first of the ebb sets etrongly acrose the shoals in the middle of the river. In the Traverse, spring-tides rise 18, and neape 11 feet.
At the South Traverse, on the full and change, the tide on-shore flows at half-past four, but it continues to run to the westward until six o'clook, when regular in the ghannel. With westerly winds there is a deviation, but it is certain that the tide on shore rises 3 feet before the atream bends to the westward; and this allowance must alwajs be made in every part of the river. In the Traverse, the first of the fiobid sets from N.N.E.; at the buoys, at a quarter flood, it takes a $8 . W$. direotion, and when the shoals are covered at halffiood, at the Seal Reefs, it eets until high water S.W. by W. The ebbs in a oontrary direction run with great strength; frequently in the epring of the year at the rate of 6 or 7 knots.

Between the Piliers, or Pillars, it is high water at 5 h . The obb here runs 6 , hours and 50 mainutes; the flood 5 hours and 25 minutes. $\because$ Both streame continue to run an hour after high and low water by the shore. From Crane Island the flood sets fair up the river, but the first of the ebb off L'Islet gets to the northward for half an hour, then fair down the river, and at the rate of not more than $\mathbf{~} 1 \pm$ knots in apring-tide."

At tho/Iele aux Reaux, or Rat Isle, helow Orleans Island, it is high water at Sh. 32m. It ebbs by the shore 7 hours, and flows 5 , and a half; the streame run an hour later. Off the g .W. ond of Madame Island, it is high water at 6 h : 40 m. ; gpringe rise 17, and neaps 18 feet. At Quebec, the time of high wator is 6 h . $\mathbf{8 7} \mathrm{m}$. Here it obbs by the shore soven hours and forty minutes, and flows four hours and forty-five minutes. Both streams run an hour after high and low,water by the shore. 'Springs rise 18, and neaps 13 feet.

## DIRECTIONS FOR SAILING UP THE RIVER ST'. LAWRENCE FROM ANTICOSTI TO QUEBEC.

Tes current from the river bets continually down to the south-eastward betrieen the S.W. point of Antioofti and the conit of the district of Gaspe'; but in the spring of the year it is strongest, and is eaused, as is supposed, by thy zest quintity of bnow whioh thaps about this time. In emmmer it may be ateraged at abont the geacral rate of a
 varies accoording to the quarity of lee end sno that kiap acoumulatod. It hap been
 of Moy and August, which has beerf supposod, for ariso from the guadtity of ivo and mor melted in the pring. costi and Cape Rosier, with the wind from the North or N. by E., if ignorant of the current, may think that they aro making a reach up, when really approaching the sourk and thiok This is to be guarded againet, partioularly during a long night, or in of the current, whioh will be foumsys best to tackin time, and get out of the strength. If you are far enough to the west ward to towards the notth coast. contrary winds, you must stand to thent torweather Anticosti, when ooming up with the land ups to the extremity of the Cape de Mrd snd keep within 3 or 4 leagues of tide along it favourable. After getting up to Trinits. The land is all bold, and the the cape, the flood will be found setting apalong the thin Cove, or the coast to the N.E. of
Wher betireen the S.W. and west point of An north shore.
are agt in ohore; and as the bottom is bad, the Antioosti, both the edurrents and awell greatest caution is necessary, on the first appearenore will not hold; therefore, the vour to stand off the land; or; in the erent appoarance of a decrease of wind; to endeathe cutrent, near the St. Mary's cliffe, as a heary aalm, you might ber set on ohore, by before there is any wind.; $\quad$, When' off the west end as to keep out of the of Antioosti, with a fuir wind, steer well to the northward, so English Point; when your havert of the current, steering about W.N. Wr, or towards more southerly toward Point de Moter than-half of the distance, y fit must atoer situated not on the extreme point, but 14 mile endeavour to male the light, whioh is mile from the point. In thiok weather this is a m.E, of it; and there are rocks $\frac{1}{3}$ a tion; far when the wind is fair it is generally this most dangerous part of the navigasary when approaching this poinf; the ship should be the freatest caution is necesthe deep-sea lead bo kept goling'; for if you sre to the pot under snug oanvass, and ings will be obtained 5 or 6 miles from the lanti, the horthward of the point, soundof Cape Chatte has long been the dread of mariners to 80 fathoms. The vioinity number of wrecks, and still more numerous hair-brie navigating this river, from the near it; the errors in the variation in the old charts th escapes that have occurred all tending to diam vessels uponn the sonth shote. In clear weather you may rum-atong the shore.
1 S. course, 11 or 12 leagues, will bring south shore ; from off Cape Chatte, a W. wheno on a S.W. bearing, will appear asing two hills atand of Matan the paps of which, Camille will also be visible, bearing W.S.W standing somewhat inland; Mount shape of a circular island, and appears to distant 14 or 15 leagues, in the lend. From off Matan to abreast of Moars to the northward of all the soutbern to the wind. Continuing that course, you will pase, stoer W. by S, according and continuing on W. by S., 5 , leagues from Gress Little and Great Metic. Father Point, the principal residence of the pilots, Und from whis will arrive, at bears B.E. 7 E.
Great Metis is 2 leagues wrest from Little Metis) and is vessels, which may find shelter and anchorie Metis, and is also only fit for small nearly dries, it is of little nse to shipping. Litte Metis mey bind, but as the place Great Metis by a round bluff rook, Jying S.E. frsm the may be distinguished from and a small augar-loaf hill to the eastward of the rock. rock in the middle of the oove i Little Metis has none - but. Great Metis has a large 3 leagues of the shore to distinguish these coves, for the; but you must be within 2 or are formed are very low. The bank of soundings exten points of land by which they coves; but to the eastward of Matan you will have 60 forter or 5 miles ofr from theme shore.

When beating up, it requires a tol beat past Point do Monts against is wind good sailing vessel; and a flood-tide, to point, and along the north shore, up to Oape St. Nicholas short bigards round the It is not, however, edvisable to keep this shore . Nicholas, will most. readily sucoeed. lest the wind should fall to a calm; for the close aboard farther to the weitward, mouth of the Minioouagon River during the for atrofg indratght towards the Ehould chance to spring up, after the vessel has been drifted If "an easterly wind Evglish, Bay, it might be difficult to beat out, or weather th near the mouth of Manioouagon Shoals. - - to beat out; or weather the eastern tride of the

## ST. LAWRENCE FROMM ANTICOSTI TO QUEBEQ,

point of Antignorant of the pproaobing the og night, or in of the strength

## oming up with

 or 4 leagues of bold, and the to the N.E. ofonts and swell therefore, the inds to endeaon shore, by ${ }^{\circ}$ 5 some hours
gorthward, so \%, or towards whoust ateor ght, which is áre rocks $\frac{1}{3}$ a the navigation in neces. cánvass, and oint, soundThe vicinity er, from the ve ocourred 1 deviation,
batte, a W. ss of which, and; Mount nes, in the southern according nat Metis arrive at lt Camillo for small the place shed from 11 miles, 48 a large ithin 2 or hich they om thes off the di-tide, to sund the sucoeed. rebtward, ards the If wind nouth of 0 of the

A vessel standing over to the routhward from Point de Monte, with a west wind on the starboard tack, will be carried over to the south oonst the rapid rate, heving the current on the weather quarter; during her hoard teck she will be retarded, the current then being directly opposite to hor course. Whien sailling at the rate of 4 knote, it will usually require ory yabout hall the time to go from Point de Monts over to the south shore, that it will take to return from the latter to the former. This is a most important elrcumstance, which it is neoessary to guard against when beating up during dark nights, and especially in foggy weather.

When running up, during foggy weather, when the land cannot be apen, the objeot showld always be to strike sourdings on the bank alowg the south oomst, about Metis, or Father Point at fartheet; and the following it as a guide to the westiverd Father Point is low, covered with honses, arid the regular rendezrous of the pilots. With the point bearing Sopth, by compass, distant 5 miles; the depth is 30 fathoms, soft clay! but you may haul in-ehore to 10 fathoms, in foggy weather; and by bringingto with your head off, and firing a gun or two, you will get e pilot off.
The distance from Cape Chatie to the west part of Father Point lis about 24 leagues; and from thence to the anchoring place:at Bio Island, is 13 miles; make an allowance for the ourrent, and any ship may run it whth safety.
While idvanoing from the aastward toward Father Point and being off Little Metis, the high land to the southward of Cape Arignole may be noen before the cape itself or Isle Bic comes in sight. From off Mount Camille; in clear weather, Bio may be cloarly seen. To avoid mistaking. Barníby Isle for that of Bio, observe that, in thick weather, a ship oaniot approach the land, near Fathor Point, without gradually shoeling the wator; consequently if, while keeping the lead going, yoiu come into g fathome, and make ar island sudienly; it must be Barneby; or, if falling in with an Lsland on any bearing to the westwaid of W.S.W., one cast of the lesd will be suffcient to ascertain which it is; for, with Bernaby from W.S.W. to W. you will have from $I$ to B fathoms only; but with Bio on the eame bearings you will have from 15 to 12 fathoms. But the lighthouse on Biquette will remove the posaibility of this mistake.

If, with tike lead kept going, and no soundings be found, yon suddenly fall in with an island to the southwsrd it muet be Biquetio. With this island, S.W., hatira mile, there are 16 fathomé of waten. At 2 miles east from it are 10 fathoms, and a ship advancing into this depth, from the deeper. water, may sither haul off to the northward, and wait for clear-weather, or prooeed by eounding aronnd the reef from the east end of Bic; ateer thence West, 2 miles, and come to an anchor, withinethe island, in 12 of 11 fathoms.' 'At 4 miles north of Biquette are 50 fethoms of water.

With an easterly wind, if requisite to anchor on the south side of Bic, to proceed from windward, run boldty to the southward, and look out for the reef extending from the east end of the island; the latter may be seen, being always above water. Give the reef a berth of a quarter of a mile, and run along; in mid ohannel, until Cape Arignole bears S.S.E., the body of the Island then bearing N.N.W. In 10 or 11 fathonis is a large ship's berth, the ground clear and good. Small vessels may'run up until the island bears N.E. in 9 fathoms, at about a quarter of a mile from the island, but here the ground is not so clear as in the deeper water. Fresh water is obtaineble in the cove just to the westward of the enst end of the islend.

If, during a westerly wind, a ship should be to the windward of dite island, and it be required to bear up, in order to anchor, stand to the southward, into is fathoms ; then fun down and anchor, as above directed; but particulariy noticing. that, with little wind, 10 fathoms is the proper depth of the fairway, and that- the last quarter-flood, and all the ebb, sets strongly between Biquette and Bio.

Should yqu, with the wind easterly, be too far to the westward to fetoh round the east end of Bib, in order to gain the anchorage, give Biquetto a berth of half a mile, then run' up until the west end of Bio bears S.E., when Cape Arignole will be open of it. The latter mark leads to the westward of a reef that covers at high weter; and bears west $1 \frac{1}{4}$ miles from Biquette, while another reef always visible, Jies between the former and Biquette. By hauling round to the southward, with Cape Ariguole opet, you will pase athwart the opening between Bic and Biquette, in from 16 , to 12,10 , and $\theta$ fathoms ; the water thence shoalens into 6 fathoms, on
the spit of mud and sand lying. S.W. by W. from Bic, 1 mile. After crossing this spit, joa will deepen into 9 and 10 fathoms, when the passage will be open, and you may come to an anchor.
in a line when standing to the southward, S. When beating into Bio, from the westward, while standing to the northward, do not shut in Mount Camille with Oape Arignole, or, in
In foggy weather it is not recommended to run ineide with the Isle Bic.
you are very well acquainted; and, this passage must at all without a pilot, unlesa great caution.

Bank of Soundinge- In the ofin ings, deoieasing from 35 to 30 ing, between Barnaby and Bic, are regular soundtherefore, anohor in any depth, but no generally' of clean ground. Shipe may, bearing from W.S.W. to S.W., as otherwise the than a mile and a half, with Bio will not be open; and, with a sudden shif of channel on the south of that island the island.
At N.W. from the oestern axtroity of ward of the etream of Biquette, is thity of the 8.E. reef of Bio, and jnst to the south apring-tides ouly. To avoid it, give Bice reef, a dangeroue ledge, seen at low water, edge of the bank of soundinge trends to the eouth $1 \frac{1}{3}$ miles. Weatward of Bio the ships may therefore stand safely to the southwerd bestward up to Basque Isle, and fairway.

Tali Bic to Grein Iation ${ }^{3}$ W. 9 deagues: and the course wrom the Isle Bic, Green Island bears 8.W. by W: the distance northward from Bic, de. In this be from W.S.W. to S.W. according to Rock, the Razades, Basque, and Applè Island course and distance, you pase the Alcide the eastern reef of Green Island, the bearing reef extends nearly a mile from the trees on the distance are W. by S. 2 miles. This uncovered. The small channel on the south east end of Green Isiand; and is always water.
The edge of the bank is steep to the fathoms, inward, there are gradual soundithward of the Rizzados, \&ce.; but from 35 is anchorage all the way in 14 fathome; ags. Between Bic and Green Island there fathoms. If up to the east ond of Green Igland all vessels, in fine weather, in $?$ anchor in 10 fathome, off the reef, and in Igland, and the tide be done, yon may by N. from the lighthouse point, at the diste stream of the ledge extending N.E. that shoal,

Betwobn Bic and foul. A amall vessel masque find ground is all clean; but thence to Green Island it is low water, giving the enst end of the reef extendin end of Besque, in $2 \frac{1}{4}$ fathome at quarter of mile. The anchorage is with the islang from that island the berth of a The lighthouse and reef about Green Island have been W. by S. lighthouse beaxing 8.W. b) W. leade safely up have been already deseribed. The the southward of Cape Arignole kept open to the Green Island. The high land to clear of the lighthouse ledge. With the lighthouse northward of Basque Island, leade be exactly between the ship and lighthouee. Between the lighthouse and the stop tide in 20 ot 25 fathoine, close to the of Green Island, in fine weather, you mar freek, the ground will be fonnd to be had for holding of the island: but, if the wind be N.E. Finds, amall vepsels may anchor between the 8 , $W$ and too near the shple. During but it. will be better to bear ap for the Brandy S.W. reef and Cacona, in 4 fathome; weather, dce." " "ap for toe Brandy-Pots, lest they be caught by adverse Shotid yon, tharefore, have passed the lighthouse on Green Island, and no pilot be obtained; the weather clear and the wind fair, steer belilly on S.W. A. W. or S.W. by W. 3 leaguet, ysu will then have White Island W. by S., and Hare Island with the Brandy-Pots. S.W. by o N. or nearly ahoad. Give the Brandy.Pots a berth of threequarters of a milo and sun on a mile or more above them, then anchor in from 7 to 14 Island, the tide heing the wind shift to the westward and your vessel be up to Whits Island into 6 or 7 , thefinapchor; the the southward into 9 fathoma, or towards. White Hed Ialind bears from the lightio ground is good for holding.
$r$ crossing this open, and you
ole, are nearly ostward, while rignole, or, in c. a pilot, nnlese run for with
egular soundShips may, alf, with Bic of that island able to quit
to the south at low water, d of Bic the jue Isle, and ns being the
8.W. by W: according to se the Alcide ple Island to milea. This nd is always y dry at low but from $\mathbf{3 5}$ Island there eather, in 9 $\bullet$, yon may nding N.E. xtremity of

Island it is fathome at berth of a
ibed. The sh land to land, leads : ledge will wind be - During Ifathoms; IT adverse

- pilot be r S.W. by with the of three. $m 7$ to $14^{\circ}$ to Whits ds White
miles. Thi eastern oxtremity of its oxtensive reef bears from the same lighthouse nearly N.W. by N., and is cleared by the lighthouse and beacon on Green Island in one, bearing S.S.E. \& E. Whan og.gg up in the night, that light ahould not, therefote, be brought to the eastward of $\mathcal{F}$ E, until you are certainly within B miles of it. If, with the light bearing 8. by ., you cannot make free to enter the narrows, wait for daylight; and, should the wind be scant from N.W., you may then boring on the south side of Red Island, but'so as to have White Island bearing 8.W. a' W. On drawing to the westward, you may appproach the shoal of White Ieland by the lead, remembering that the ebb-tide sets strongly down betwoen White Island and Red Igland, and the flood in the contrary direction. A vessel may anohor, in fine weather, on the south sido of Rod Ieland Reef, in 12 fathoms, at the distance of about three-quarters of a mile. The tide heresbout, as already shown, sets in all directions., The lighthouse of Red Island has already been mentioned in the body of the work.

The eoundings between Green Island and Rod Island are very irregular. At a mile from oach are nearly 30 fathoms of watar. The water, during ebb-tide, with an easterly wind, appears broken, but there is no danger. The mark to sail through between Green and Red Islands is the Brandy-Pots bearing S.W. $\frac{1}{\text { W }}$ W.

Thi North Coast.-The Point de Mille Veohes bears from Biquetto N.W. by W. 41 loagues. The extensive shoel, which eurrounds this point, commences off the river of Port Neuf, on the east; and has lity southern extremity at $1 \frac{1}{2}$ miles from shore, and very steep-to; the greater part of thio sboal iad dry atjow water. Ahove the point the land forms the othy of Mille Vaches, thich is shoal, and full of rocks. At 11 miles 8.W. by W. From Point Mille Vaches, are two isleta, named the Esquamine Isles. In the Bay, at 4 miles west from the point, is a small river, named Sault de Mouton, having a fall of 80 feet, near the mouth of it, whioh may hways seen whon passing. Between the Esquamine Islos and Saguenay River, a discance of $7 \frac{1}{\frac{1}{2}}$ leagues, S.W. by W., are three small roeky inlete, named Bondesir and Les Bergeronneis, which afford shelter to fiehing boats.

In proceeding for the Saguenay River, should the westher be thick, it would be adriaable to drop anchor at the Brandy-Pots, until the weather becomes favourable, When the entrance oan be easily affeoted with a leading wind. The leading marks are good, and the entrance a mile wide between the shoals. The Bull (Laboule) is a round monntain on the north side of the Saguenayy ebout 4 miles up, and by keeping. the Bull open from the points, there is no danger in running in ; and when abrefst of the port or houses at Tadousac, they may run up on whatever side they think they have most advantage, but with ebb-tide there is less curgait. on the north-east side of the river.

Other directions have been given in the description of the river on p. 154, and it may be added here that there'are good anchoragee at the Anse St. Etienne, 10 miles above Tadousac, at St . Louis Island, 10 miles from Tadousao, at the Anse Str Jean, 22 miles, and at the Beie de l'Eternité, 28 miles above Tadousa0, at all of whioh vessels might lie well to load; in other parts of the river the depth is far too great to anchor.

Shipe working up on the north side, between the Esquamine Isles and Red Icland, should keop within 2 lengues of the north land: the shore is olear and bold, and the flood proity regular. But, ehould a ship, to the northwaitd of Red Island, be caught by-i sudden shift of easterly wind, so that she cannot foteh round the east end of 1 IMand Roef, she may safely bear up and run to the weatward, giving Red, Whita, and Here Islands, a berth of 2 miles in passing. At ; leagues above Hare Island, she may baul' to the bouth wird, and enter the south ohannel towidrd Kamourasige, and thence proceed as heteafior direoted.
 Ialand, and the Irrandy-Pots, have already boen desoribed. From Oreen Island to the Brandy-Pots, the course and distande are from S.W. $\frac{1}{2}$ W. to S.W. by W. 4 leaguen: The mark to clear Barrett Ledge, is the southermmost mountain of Kamourasca in a line with the giddle of the Groat Pitgrim, or an inlet lying off the N.E." side of Green Island, tonching the high land of Cape Arignole: either of these marks will olear the ledge, but it is not recommended to go to the ngrthward of tt unlees you are yiaiting the enohorage at the Brandy-Pots. and good. athohorage above them, in from 9 to 14 fathoms. T . Ty ot 9 to 7 fathomes, is the usual rendeaver; during the easterly winds; excepting that of Crane Island, and wind. Tho
The best passage is to the southward of the Barrett Ledge and Middle Ground, and between them and the Pilfím Shoal. The mark is the lighthouse on Green Island just ebutting in with the eouth-went point of the island, and bearing N.E. $\frac{4}{2}$ E., but the ohannel are soundings of 9 to 10 to approsing the Pilgrim Shoal too olosely. In midTar Brisoundings of 9 to 10 fathoms.
south gide of Hare Ieland South Thaveras and Goose Igrand.-The flat on the close to it nearly up to the weote the Brandy. Pots is bold-to, there being 7 fathoms by rooks. When leaving the Brandy-Pote whole of this side of the island is bordered the $3 \frac{1}{8}$ fathoms epit extending betay-Pots for the south ehannel the passage is across the Hare Island Bank; -but should your the Middle Ground and the south-east end of round to the eistward of Barrett Ledge, whicel draw more. Water, it is better to run channel. -Having entered the change, which is marked by buoy, and so enter the to the northward of Grand Island, bearing S. We north side of Burnt Island just open the Pilgrims and. Hare Island Keef; keen the $\frac{1}{}$ W., and it will lead through between are steep-to. When past the red bues on the lead going as the shores on either side is all clear to the westward, so that you the west end of Hare Island Bank, the river north shore until you are up to Cape Ggose. stand from the south bank over to the In standing to the south ip Cape Gpose 10 to 18 fathoms of water. On the north Island, above the Brandy-Pots, you will find there are 8 and 9 fathoms on the south side of the Middle Bank, 4 to 8 fathoms; but the south shore. Five fathoms in a good depth this bank, with gradual soundings to At night, or in havy weather after crod depth to tack in. you should ts up by the le Long Pilgr, lisy tske either, until you are up as high as the middle of the should ther ere in the abover side; the sonth side of the Hare Island Bank de $\mathrm{St}_{4}$. And . the load. Whed ist Kamourases land are all so steop-to as to give no warning by. 8 fathoms, up to the black buoy of St Aeep along the edge of the south bank, in 7 or 10 fathomis:
S.W. by W., and the distance 7 g lesgues the buoy on the St. Ann's Shoal is about have been fully described. The beagues. The South Traverse and coast between steep-to. The mark for tacking here is. Island of Kamourasca: in standing to the to shut the 8.W. - land with the great fathoms
, will gain the depth of $\mathbf{2 0}$
Isles, the ohurch bears $\mathcal{E}$ west end of Crow Island, the third of the Kamourasca safely be run on shore; to run in' biemile. Between is a place where ships may p to the westward of Crow Fsland, and run the ohurch to besr E.S.E., or some distance in oommon spring-tides, and 10 fand run for it. In passing in, you will carry 14 feet Cape Diable bears from Crow Islait neaps. The bottom is of eoft mud. from the cepe as already explained, the . $\frac{1}{2}$ W. about 3 miles, and a reef extends than a mile and a half from Crow. Island. Shipg frost part of whioh is not more order to get in, shouid run down along the Ships' from the "wostward, therefore, in church, as above.

Witf easterly finds, the large oove on the S.E. of Cape Diable is a fine place for a vessel to run into shpuld she have lost her ariohors. To enfer, bring the

Souti miles $f$ lightree are buo Roque on the revolvi Orane whethe banke - If ris strike t that de the wat Keeping

If en flood, a if more the sov river.
In b the fir edge of be rem than to Anol the, Ei Pilgrin fathom buoys.

Shio
any 00 either inueh streng a gooo you $m$ and ur

Nes set at winds, fathoh
Fro distan Island generi are tw for pa length Heef; towar Crane other with 1 Crane sbove

## ER

homs beiog near
m 9 to 7 fathoms, he best rosdstond Crane Island, and and waiting for a

Idle Ground, and on Green Island I.E. E., but thio losely. In mid-

The flat on the reing 7 fathoms land is bordered assage is across puth-east ond of is better to run nd so enter the land just open rough between on either side Bank, the river unk over to the
s, yon will find 3 fathotns; but soundings to
Brindy-Pots, , for running middle of the Island Bank ilgrims', Bano 0 warning by bank, in 7 or y keep off in.
roal is about past between asces Isles is th the great depth of 20

Kamourasca ghips may . me distance arry 14 feet ud.
efextends 8 not more erefore, in in for the
fine place bring the ag arrived the church e, and she my esstward

## ST: LAWRENCE FROM ANTICOSTI TO QUEBEC.

South Tanvease.-From Cape Diable to the South Traverso, the oourse, if at 8 miles from the cape, will be 8.W. by W. $\frac{1}{4}$ W., 5 leagues, which will load you to the lightvesset at the entrance of the Traverse. The banke on either aide of this channel are buoyed. The course through is S.W. $\frac{1}{2} ., 4$ miles, along the edge of the 8t. Roque Shoal up to the third black buoy, and thenoe 8.W. by 8. to the ohequered huoy on th'e Patoh. The passage is then to the southward of the Stone Pillar with ite revolving light, from whence you steer S.W. by W. past Go Ibland Roof towarde Orane Islend." In these courses altwance must for the tide, which whether ebb or flood runs atrongly, an you sho banke are stoep.

- If running from off Cape Diable for the T etrike the bank off that oape in 7 or $8{ }^{\circ}$ fathoms, that depth, it will lead to the lightvessel. On pa the water will suddenly be found to deepen, when keeping the, south side on hoard, and proceed as ab
If entering the Traverse with little wind, be ouren

> or in a fog, By keeping Roque Shoal, Posouthward; flood, as it sets strongly toward the point of St. Roque for the frrt of the if more than halfflood, sllow for a set to S.W. by W., and we sure always to kep the south bank on Board. Above the Piliers, or Pillars, the tide sets fair up the river.
In beating into'and through this passage, be careful and tack from side to side on the first shoal-cast of the lead; but more particularly so to the northward, on the edge of the Middle Ground. Ten fathoms is near enough to the bank; and it is to be remembered, that the ship will elvays go farther over toward the Middle Bank than to the point of St. Roque Shoal.
Anohorage.-Between the Brandy.Pots and Traverse, there is anchorage all along the, English Bank, snd upon the edge of the flat on the south side, between the Pilgrims and the greater Kamourasce Isle, in 9 fathoms: under the Pilgrims, in 8 fathoms; off Cape Diable, in 10 fathoms; and thence, along the fiat, up to the buoys.

Should the flood be done, when s ship is in the narrows, or between the buoys, or if any occurrence render it necesiary to anchor, do not hring-to in the ohannel, but on either side, as most convenient, and come-to in 7 fathoms; the tides will be found muoh easier after half-ebb. In the deep water the tides run with considerable strength; therefore if you should be obliged to come-to, do so in 7 fathoms, with a good scope of cable before the tide becomes strong; for, if the anchor once starts; you may have to out from it, as it seldom takes hold again; the ground being foul and unfit for holding.
Near the Pillars the tides are mugh easier than below, as at and above them they set at ar rate of not more than $8 \frac{1}{3}$ miles an hour, Ships bound down, with.easterly winds, may anchor at two miles. to the north-eastward of the South Pillar, in 7 fathoms ;" or, to the southward of it, in "the same depth, with good groind.
From abresst of the Stone Pillar, or of the Avignon Roclf, the direct conres and distance to Crane Island, are 8.W. Th. 4 I leagues. On. this course you pass Geose Islind, and arrive at the Beaujeu Bank, the channel to the south of which is that generally used; the depth in it is irregular, varying from 5 to 3 fathoms; and there are two rocky patohee of $2 \frac{1}{1}$ fathoms in the way, and difficult to avoid. The marks for passing the southern edge of the Beaujeu Bank, along the eastorn half of its length, are, the Stone Pillsr, its owh breadth open to the southward of Goose Islard Beef; and for the western part of the bank, which turne up slightly to the northriard towande Crane Island, Point St. "Vallier open $i$ of a point south of the south side of Crane Island; but must hence talie a cironitous route, in order to aroid this and other shoals. The south side of the channel is a muddy flat, of 8 and 2 fathome, with regular soundings toward it. There is hence good anohorage all the way up to Crane Island. Stand no nearer toward Goose Islanid Boef than 10 fathoms; but above it you may stand toward the island to 7 fathoms.
Whon up to the body of Crane Island, you may approash safely, as it is bold 'and olear, with 7 fathoms olose to the rocks
From off the Pillars to Crane Ieland, there is all the way, good and clean ground. There is, also, a good road off the body of Crane Island, in 8 fathoms.: The best road in the river, during eefiferly winde, is at a mile to the westyard of Crane Island; and



## IMAGE EVALUATION TEST TARGET (M T-3)


ships bound dowitwayd, if at the Pillars, and caught by strong easterly winds, had
better run back to this place, than ride below, and risk the loss of anchors.
Crank Island to Point St. Vallier.-The direot caurse and distance from Crane Island to Point St. Vallier are from W. by S. to W.S.W., 4 leaguea. Between are the mud bank of St. Thomas, the Wye Rocks, the Belle Chasse Island, and the bank of Grosse Island. When St. Thomas's Church hears S.E. $\frac{1}{\frac{2}{3} \text { E. you will be abreast the }}$ point of the bank named Margaret's Tail, having a red buoy, and may thence'toeer directly up, W. 8 W. The mark for the southern edge of Margaret's Tail Bank is, the south side of Haystack Isiand and Crane Island Church in one, bearing E.N.E.
deI fat fat fro and Point St. Vallier that the lang mark to keep clear of them is Belle Chasse Island with a fair wind, and the orog, bearing W.S.W. They are out of the way of vessels, one with the east point of Reaux Island, and Crow Semingire on the north shore in of MiddJ\% Island.
To the west of Margaret's Tail is a narrow rocky shoal hamed Groses Path 7 feet least water; between this shoal and Margaret's Tai is a channel 270 fathoms wide, and 5 fathoms deep, leading to the Quarantine Est blishmeut on the southern' side of Grosse Island. For the guidance of the numerous vessels which stop there, a red buoy has been placed on the S.W. end of Margaret/s Tail, as before mentioned, and also a white buoy on the N.E. of Grosee Pateh; but in the absence of the buoys, through. There is a passage to and the Brothers in ong, bearing N. by E., will lead but care must be taken to avoid asmall of Grosse Patoh, between it and the Island, off Grosse Island, and on which a ohequer, with 7 feet least water, Iying 180 fathoms When above Margaret Island, staquered buoy has been placed. fathoms. Reaux or Rat Island snd Mada farther to the northward than into $\theta$ will be near enough to both. The south eide are fiat to the southward; 7 fathoms Island, is all bold; 8 fathoms are olose to side of the. ohsunel, up to Belle Chasse There is good clean anchoring grone to it, with 7, 8, 9 , and 5 fathoms, quite across. When up to Belle Chasse Island, stand no ny tides, afl the way." dame then 6 :fathoms. The shoal extending nearer to it than 8 fathoms, and to Ma : The mark for clearing the southern sidg from Mrdame has already been noticed. Island Tail and Patch, is, Race Island kept just Madme Banly, as well as the Grosse Island. The mark for the S.W. extreme, wish open to the southward of Margaret North Traverse, is, the north. extreme, which is/the point of the entrance of the Madame Island, bearing N.E. $\frac{1}{8}$ E of Reaux Island just open to the northward of cross mark for clearing it to the S.W. is, Berther Church bearing S. $\frac{1}{4}$. . The Chasse Island in one.

The North Channel and Treverse and the Midille Traverse are but seldom used and the description of them will be found on pages $164,165$.
St. Vallier to Quebze.-From the Point of/St. Vallier to that of St. Lawrence in Orleans, the course and distance are abont W. by S. $\frac{1}{4}$ S. 91 miles. Both sides are bold; 10 fathoms in the fairway from Orleans, and 8 fathoms from the south shore. Ships may anchor toward the island, in from 16 to 10 fathoms.
The Shoal of Beaumont is steep.to. Make short boards until you are above Point St. Lawrence, when you will be above it, apd mort bofely stend to the southward into
10 fathoms.
From Point St. Lewrence to Point Levy, the course and distance are W. by N., 2 Here, in about 10 fathoms, is the fairway Stawrence's Cburch is St. Patrick's Hole. 10 fathoms:

From off Point Levy to Quebec, the course is W.S.W end 2 miles. The Shoals of Beauport, on the north W.S. W., and the distance about stending toward them advance no nearer thorth side, may be easily avoided : in and are, in some parts, studded with rooks. Shlps arriving at Quebeo, with flood tid their canvase in time and have cable ready and an easterly wind, should take in good for holding. The water is deep, and th, as the ground in the basin is not very If obliged to oome-to in the middle, there tides atrong, particularly apring-tides. abreats of the town; but near the wharves will be found from 16 to 90 fathoms ( abreast of the town; but near the wharves, or at 2 cableo' longth from them, is a
rly winds, had hors.
100 from Crane etween are the d the bank of be abreass the $y$ thence "sleer Tail Bank is, tring E.N.E.
in the night: Chasse Island ray of vessels, corth shore in the westward
e Patch, with 1270 fathome the southern' th stop there, o mentioned, of the buoys, E., will lead dy ite Inland, ; 180 fathoms
than into 6 1; 7 fathoms Belle Chasse quite across.
, and to Ma een noticed. 5 the Grosse of Margaret rance of the orthward of + E. The nd of Belle
oldom used, $\therefore$ Lawrence th sides are outh shore.
bove Point hward into
T. by N., 2 ick's Hole. middle is
nce about roided : in e steep-to,

Id take in not very ring-tides. 0 fathoms $<$. hem, is a
depth of 11 fathoms : and here vessels are easily brought up: but in the offing, 10 fathoms of cable will be required. On the Point Levg side is a depth of nearly $3 Q$ fathoms, and the tides are stronger here than near the wharves. With a wind heavy from the eastward, the best riding, will be above the wharyes, off the cove named Diamond Harbour, in the depth of 10 fathoms.
The Ballast Ground, or place appointed by law for hearing out the ballast in, is to 'the westward of two beacons fixed on the south shore, aboye Quebec. These beacons stand on the brow of a hill, above a cove named Charles Cove, and when in a line bear N.W. and S.E. of each other.

## RATES OF PILOTAGE.

The following were the rates of pirtage a few years since, and are added, as we believe they still remain the same:-
F'rom Bic to Quebeo. Pef. Foot.
\& 8. d.
Fram the 2nd to the 30th of April, inclusive................................. 1 or 0 1st of Mey to the 10th of November, inclusive................ 0018 ( 18 11th to the 10th of November, inclusive ....................... 1 20th November to the lst of March, inclusive 180

## From Quebec to Bic.

From the 2nd to the 30th of April, inolusive.............................. 0 18 3 1st of May to the 10 th of Novepiber finclusive ............. 01699 11th to the 19th of November, inclusive ..................... 1 - 09 20th November to the lst of March, inclusive 1.59

Rates of pilot-water and poundage on pilot-money are payable at the Naval Office, by masters and commanders of vessels.
For every foot of water for which masters and commanders of vessels are bound to pay their pilots from Bic to Quebeo, and from Quebea to Bic, 2e. 6d. currenoy, per foot.
For vessels going to Three Rivers or Montreal,

$$
\begin{aligned}
& \text { Of } 100 \text { to } 150 \text { tons, inclusive, } £ 2 \text { currenoy. } \\
& \text { of } 151 \text { to } 200 \text { tons, inclusive, } £ 3 \\
& \text { Of } 201 \text { to } 250 \text { tous, inclusive, } £ 4 \quad \text { " } \\
& \text { Of } 250 \text { tons and upwards. }
\end{aligned}
$$

On settling with pilots, masters of fothmanders of vessels, or the consignees of such vessels, are to deduct 1s. in theppound for the smount of the sums to be paid for pilotage, which will be exacted by the Naval Officer al clearing out, the same being funded by law, under the direction of the Trinity House, for the relief of decayed pilots, their widows and children.
Reoulations for the pilotage above Bio to Quebeo.
At or ebove the anchorage of the Brandy Pots-
Two-thirds of the present rate for a full pilotage.
At or above the Point of St. Roque-
Oue-third of ditto.'
For above the Point aux Pins, on the Isle aux Grues (Crane Island), and below Patrick's Hole-

One-fourth of ditto.
And at and above Patrick's Hole, f1 3s. 4d.
For shifting a vessel from one wharf to another, between Brebaut's Wharf and Point a Carcis, or to the stream from or to any of the above wharves, 11 s .8 d .

For shifting a vessel from the stream or from either of the above wharves, to 8t. Patrick's Hole, or to the Basin of Montmorenoy, or to the Ballast Ground, the Basin of the Chaudiere, the Wolfe's Cove, and as far as the River Cap Rouge, $£ 1$ 3e. 4 d .

## Rates abobe tho Harbour of Qurizo:- -

## Fuom Qurobec io Port New.

$\mathrm{EA}_{4}$ currenoy. For vessels of registeral measurement, Efis) not expeeding 200 tons If above 200 and not exceeding 200 tons $£ 2$ 10..... ourrency. If xibove 250 tons 48108.

To Thred Eivert, or above

Port Neuf.
fy ", If above 200 and not excoeding 250 tons If above 200 and
If $\qquad$

From Three Rivers, and above Port Neuf.
\&4 08. eurrency. £4 10s.
£6 $10 s$.

## From Montreal, and above

 Three Rivers, For vessels not exceeding 200 tons. If above 200 and not exceeding 250 tons£7 10\%. currency. $f 816 s$. £1Q 15a. -"
Pilots are at liberty to leave vessels forty-eight bours after they arrive at the place
of their destination.

Three Rivers. $£ 11$ ourrenoy. $£ 18$ $\{10$
"

11
currency.
"
"
ivers, and above Teuf?
currenoy.
d, and above Rivers, surrency.
at the place

## APPENDIX.

THE HARBOURS OF HALIFAX AND ST. JOHN, \&ic.
A description of the conats of Nova Seotia and New Brunstriok does not properly come within the limits of the present work; but as many shipmasters, bound to the River St. Lawrence, may also visit the harbours of Halifax or St. John's, it has been thought desirable to append instruotions for those ports. For more minute acoounts of them, es well as for the various harboups of Nova Scotia and New Birunewiok, the reader is referred to our Sailing Directions for the comat of North America, from Cape Cento to New York Harbour:
 promeh, and acoessiblo at all seasons, and is said to be large onough to acoommodate a great nnmber of vessols in perfoct soourity. Its direction is nearily north and. south, and Its length about 16 miles. Its apper, part, known by the name of Bedford Baoin, is a beautifal sheet of water, containg about 10 square milen of good anohorage. The town' of Halifax is the capital of Nova Scotia, and containe 18,000 inhabitanta.

The land about the Harbour of Helifax, and a little to the southward of it, is in appearance rugged and rocky, and has on it, in several places, sorubby withered wood. Althongh it seoms bold, it is not high, ss it is only to be seen from the quartor-deok of is 74 gui ship at 7 leagues' distance; exoepting, however, the high Ithds of Lo Have and Aspotogon, whioh have been seen 9 leagues off. When Agpotogon highland, whioh has a long lovel appearance, beare North, distant o 2to ' loagues, an E.NY.E. course will carry you to Sambro' Lighthouse, standing on Sambry Ielend.

Sambro Island is a amall rocky igland lying $8 \frac{1}{4}$ milee to the 8. W. from Ohebuoto Head, on the western side of the entrance to the harbour. Oin it there is a white petagon-shapod lighthouse, 60 feet high, showing a fixed light at 115 feet sbove the levol of tho sea, visible 20 to 95 milos. Pilots may be obtained from the island, ahd if a veivel fires a gun during a fog, it will be enawored from the inland.
On the eistern side of the ebiannel into the harbour is Mecnab's. or Cornwallis Island, whioh is conneoted to the eastern ebore by a flat of 8 to 12 feet. The passage on this side of the ialand, named the Eastorn Passage, is too shallow and confined to bo uned by any but boets, so that veesold alwaye use the westarn pacsage into the harbour. Fromithe wouth end of the inldurd a ahoal extende about a mile to the southward, and upori this flat there is a manll island, named Thrum gap. There are also two inlands to the enatward of Mronab'e, named I*: nd Donl, the latter' boing close of the eactorn point of the hairboar. No shife $\%$ oxints between Dovil IEland and the shoro, nothing larger than boats boing abo to paea.

To the north ward of Maeviabse Iland fo George Island; asmall ialand lying in midchannd opposite the town: Olow of it there are 4 to 8 futhome, end in the ohenwoibetroen it and the town are 8 and 10 fathoms, while to the eastward of it are 18 and 14 fathome.
Lighte-On Maugher Beech, a graval spit extondiug from the weatern aide of Mandib's IAland; thore is $y$ thito oirealar tow

 North, and it will clear, the Thram Ofp choal.
On Dovil Ialend abvit is a ballaing palntad brown, with a whito belt, from ahich

## 182

 THE HARBOURS OF HALIFAX AND \$T. JOHN, \&c.a light appearing red towards the sea is shown eft the height of 45 feet abova bigh water, visible about 8 miles. From this island/pilots may be obtqined.

Within the harbour, on the eastern side, there is a small cove in Macnab's Island, close to Maugher Beach, in which there is grod anohorage in from 9 to 4 fathoms, muddy bottom. The best spot is represented to be in 7 fathoms, with Maughen Beach touching Sandwich Point, and the tower on Aeorge's Island touching Ives Point.
On the western side of the approach to the harbour is the rooky promontory of Chebucto Head, to the southward of which, for the space of about 4 miles, there are numerous röks and shoals, which must a ways be carefully avoided when approaching the harbour from the weotward. The assistence of local knowledge is absolutely requisite to enable you to sail among them, so that no vessel ought to approach the harbour, running along the coast from the westward, without having a pilot on board. These shoals surround Sambro' Island in all directions, and it is possible that some dangers may remain even yet undiscopered, one; the Owen hock, having been met with so recently as 1844.

At $1 \frac{1}{4}$ miles to the westward of Chebucto Head is a small harbour, named Catch Harbour, in which there is a depth of 2 and 21 fathoms, but the access is over a. bar of 10 feet. At the bead of the harbour is a stream of good fresh water. There is also a cove, named Herring Cove, at 31 miles to the north of Chebucto Head, the entranee to which is about 100 fathoms wide, and quite bold on either side; with 6,5 , sud 4 fathoms ap to the elbow that forms the inner cove, where amall vessels may lie in perfoct security in a depth of 7 to 9 feet.

Rooks in the vicinity of Sambro' Light.-At the distance of about in miles S.SE. E. from Sanibro' Lighthouse is a bank of, 12 to 18 fathoms, named the Henercy Bank, whioh is about $\frac{1}{4}$ of a mile in extent, end hus soundings of 20 and 25 fathoms. close to it. On its centro there are but 9 fathoms, and it is asid that in one part there are only 8 feet; but less than 9 fathoms was not found hy, Com. Shortiand, when he sounded over the bank in 1852. Between this bank and Sambro' Island, there are several dangerous patches, the positions of which it is supposed have not been very acourately assigned.

- A rock of 12 foot water, named the Lookwood, has been roported to exist at about a mile from the Henerey Bank, in an E.N.E. direction. In the recently corrected charts of this part of the coast, deep water of 60 fathoter is laid down in this position.

The westernmost of the dangers about Sambro' Itland is the Bull Rook, whioh lies $\frac{1}{3}$ a mile S.E. by E. from the extremity of Pennant Point, with Sambro' Lighthouse bearing E. $\frac{3}{4}$ S., distant 24 miles. At $1 \frac{1}{4}$ mile W. by S. $\frac{8}{4}$ S. from the lighthouse are the Horve and Mare Rocks, and at nearly 2 miles W.S.W. \& S. from the same building is the Smithson Shoal, a rook of 16 feet water, lying 2 miles S.E. by S. from the extremity of Pennant Point. The Soath-west Ledgeor Breaker lies $1 \frac{1}{6}$ miles S.W. 2 S. from the lighthouse; and E. by N. $\frac{1}{2}$ N. + of a mile from it, is a rook of 8 feet water. Nearer Bambro' Iolend there are eaveral dangera; and within the island between it and the shore, aro' several rooks, the pringipal of which are the Gully Whale Beok, Fairweather, and Torpys Ledges, so that no vessel ought to attempt to pacs this way exoept in cques of extrome emergenoy. But little if any waining is given by the lead when appromohing these rooks, there being as much as 10 fathoms olose to the Bull, and from the Smitheon Shoal the lead will drop into 18 or
14 fathoms.

Toithe eastward of Sambro' Island are the Bleok Rock, Broad Shoal, Sistors, Owen's Rock, and other dangers, whioh exist more or less to a distance of $1 \frac{1}{2}$ miles from the lighthouse. Of theep dangers the Bleok Rook alwaye showa, and the Bisters are uncovered at low wator; but there are others undor water, and as they all have deop water oloes to them, atiling in their vloinity is extremely dangerous. The Owan Rock, so named from its discoverar, Oaptain Owen, of H. M. steam vensel Colombiat lies with Sambro' Lighthouse S.W. to S.W. by W. $\mathcal{I}$ W., distant one and three-fifis of a mile. Oaptain Owen in his roport says:-"The Colombia touohed on a munten rook or ledge without entirely losing her way, to that thare must have beon at loest 12 feet water on the part ehe touabed (her draught boing 121 feet); juat bafore the veseel touched there were 11 futhoms, 8 fathoms at the time if the itarbourd paddlebox, and 18 fathoms at the port paddle-box."
There is alfo a rook named the Bell, a mall rock of 6 foet, lying to of a mile from
\&c.
above high oab's Island, if fathoma, ughen Beach 3 Point

## omontory of

 es, there are m approachis absolutely pproach the ot on board. - that some $g$ been met amed Catch 3 over a. bar. There is Head, the 0; with 6,6 , sels may lieviles S.S.E. 10 Heneroy 25 fathoms a one pairt Iand, whan 4, there are been very st at about porrected vn in this dighthouse thouse are mo build. from the viles S.W. of 8 feet the island the Gully attompt Tmaining 1oh as 10 into 18 or

1, Sisters, 14 miles de Bisters all have he Owea olombiat reo-fithi a sunken at least afore the 1 paddle:

## THE HARBOURS OF HALIFAX AND STh JOHN, \&c.

(he shore, nearly midway between the entrancie to Oatoh -Harbour and Chebuoto Head. In a northerly direction, towards the coast, it pas a spit of $4 \frac{1}{1}$ fatboma, oxtending from it a short distance, but in other respects if is steep-to, there being 7 and 8 fathoms olose to its eastern, and 18 and 24 'fathoms close to its western, side. Between it and the shore there are 14 and 8 fathoms, but no ship should attempt to. pass inside it, on account of the dangerous rocke, named Duck and Duncan Reofis, which extend from the land and nearly block up the passage. The rock beans from the extremity of Chebucto Head nearly S.S.W. $I$ W. one mile, and from White Head, the east point of Catoh Harbour, E. $\frac{7}{2}$ N. about a mile. To avoid it on the east side do not go to the westward of the line of Sandwich Point.in one with Chébucto Head N. $\frac{1}{3}$ E., as that mark will carry you clear of it, and also to the eastwand of the Bisters, and other ledges, in the vionity of Sembro' Island.

Rooks at the entranoe to the Hartour.- Within the line of Chebucto Head to the 8.W. and Deril Island to the N.E., thero are eseveral rocks and ledgee, the outermost of which is the Portuguese Shoal, a small shoal of $4 \frac{1}{2}$ or 5 fathoms, lying 3 miles B.W. $\frac{1}{2}$ W. from the lighthouse on Devil Island; 4 miles S. $\frac{1}{3}$ E. from the lighthouse on Maugher Beach ; and 2 $\frac{1}{2}$ miles N.E. $\frac{7}{}$ N. from the extremity of Chebucto Head. Close to it all around are 8 and 7 fathoms. Its western side is marked by a black and white beacon buoy, lying with George Island open a littic westmard of the light on Maugher Betich.
The , Rook Head Shonl lies nearly $\frac{3}{4}$ of a mile to the E.N.E. of the buoy on the Portuguese Shoal: It is about $\frac{7}{1}$ of a mile in extent, and has 31 to $4 \frac{1}{4}$ fathoms upon it, with 6 to 10 fathoms close-to all round. To clear it, as well gs the Portuguese Shoal, on the east side, bring Sambro' Lighthouse Island open east of White Head, bearing S.W. $\frac{1}{2}$ 8.*

In the old oharts of Helifax Harbour the Portaguese Shoal is not mentioned, but a black end white buoy is placed on the Rock Head. We presume that the buoy was removed to the Portuguese Shoal pn its discovery.
The Liohfield Rock lies on tho western side of the approach to the harbour, at rather more than $\frac{t}{4}$ of a mile from the shorb, in the direction of S.E. by S. from the


* fathoms at ì short distance from it, the deopest water being between it and the ooast, where there are as much as 20 fathoms of water. It is marked by $a$ white beacen buoy.

The Neverfail Shool is a shool, of 41 fathoms, lying in the middle of the approach to the harbour, at nearly midway betreen the Lichfield Rock and the Thrum Cap. Shoal. It has 5 and 6 fathoms immediately around it, and at present (1854) is not marked by a buoy. You may sail bettreer it and the Lichfield- Rock by bringing the Flag-taff of the Citadel open esst of Sandwich Point, bearing N. 1 W.
The Mare Rook lies under §andwioh Point, the western point of the harboar, at about $\frac{1}{\frac{1}{2}}$ of mile from the land. On its shoaleat part there are $9 \frac{1}{\frac{1}{2}}$ fathoms, and immediatoly around it are 8 and 10 , deopening to 10 and 20 fathoms. Its eastern edge is marked by a white beacon buoy:

The Thrum Cap Shoal is a shallow fiat of $1 \frac{1}{\text { b }}$ to 3 fathoms, extending nearly a mile to the S.S.W. from the south end of Mamab's Island, on the eastern side of the harbour. It must be oarefully avoided when paking the harbour fromen the eastward, and the red beacon buoy on its edge should al aya be passed on the south side.:

From the south side of Maugher Beach a flat of $2 f$ to $4 \frac{1}{f}$ fathome extende about $t$ a milo, and has on it, near the extremity; a pathi of 83 fathoms. To cloair this fist when running into the harbour, bring the Roman Catholic Chapel, at Dartmouth, is one with the eest point of George leland, bearing porth, and you will avoid it in 10 or 11 fathoms.

Pleasant Stion, ranning off from the point of the santh name, is ebout midmay betiveen Maugher Beach mid George Island, on the Festern side of the ohannel. If oxtends nearly half the channel over, and has on it eastern edge a white becepn buoy lying with Chebuoto Head open of Sandwioh Ppint, and the Citudel Fhaterar N. by W. +W . There is also a small pateh of $4 \frac{1}{2}$ to $\$$ fathoms, called the Tiddro Ground, betwren this ahoal and Manghor Beach. It is about in cablo'e length from north to south, and about the mane in breadth. On ith eaptorn side the sounding
are from 7 to 18 fathoms, muddy bottom, while on its westarn aide they are from 8 to 17 fathoms, ooarse and rocky bottom.
To the northward of the Plomsant Shoel, and on the western side of the channol, is the Reed Rock, having only $4 \frac{1}{3}$ feet over it; it is marked by a whits buoy. There is be narrow passage between it and the shore, of from $1 \frac{1}{2}$ to 6 and 7 fathoms, but it would be hazardous for a stranger to attempt to sail through it. To pase the rook on the eastorn side, in 18 and 14 fathome, bring Chebucto Head open of. Sandwich Point; this mark will also olear the Pleasant Shoal.

Ires Knoll, on the enstern side of the channel, and whioh, along with the Reed Rock, contracts the navigablo passage to $\frac{1}{2}$ of a mile, has, on ite shoalest part, only 1 foot of water. It takes its name from the N. W. point of Macnab's Island, off which it extends about $\frac{1}{\frac{1}{2}}$ a mile to the northward. Ite western edge is pointed out.by a
buoy painted red.
The shoals on the western side of the harbour, near George Laland, aleo marked by two white buoys, are named the Belleisle and Leopard.
Dirmotions.- No vessel ought to attempt the harbour of Helicax wiftout having a local pilot on board. In the event of not being able to get one, the following directions may be servicesble.
In sailing into Halifas Harbour from the westward, you ahould advanoe to the eastward oo as to pass Ssmbro' Lighthouse at the distance of a letgue, taking oare not to approach nemrer to it on account of the various dangers in its vicinity. When the lighthouse hears N.N.W. $\frac{1}{2}$ W. you will be in a line with- the Heqeroy Bank, and with it N.W. \& W. in a line with the reported position of the Lockmood. With the lighthouse W.N.W. you will be clear to the northward of both, and hasy proceed N. by E., 4 miles, which will bring you off Chebutto Head. Here you oulould bring the leading mark on, which is the flag-staff on the Citadel Hill open east of Point Sandwich, and bearing N. $\frac{1}{\text { W }}$ W., as you will then pass olear between the Hiohfield Rock on the west, and the Rook Head, Portuguese, Neverfail, and Thrum Cap Shoals on
the east eide. When up to the buoy on the Mars Rock bring the Rom Chapel at Dartmouth in one with the the Mars Rock, bring the Ropian Catholic Chapel at Dartmouth in one with the east point of George Island, as it will leud in the fairway up to George Island, leaving Point Plensant Shoal on the left, and Maugher Beach with Ives Knoll on the right.
Or, when abreast of ©habuoto
Or, when abreast of Chehuoto. Head, or when Sambro light bears W.S.W., the light on Maugher Beach should never be brought to the westward of North. Keep. ing the light from North to N. by E. Will lead alear, of the Thrum Cap Shoal, from the buoy on which the lighthouse bears N. $\frac{3}{4}$ W. Those advanoing from the reatward will see the light on Maugher Beagh when they are as far up as Chebucto Head; it. is then a good mark up to the beach?
George Island may be passed on either side, and you may choose your anchorage at pleasure, in from 18 to 6 fathon, nudy bottom. From George Island to the head of Bedford Basin there is no obstructiou to ehipping.
Shipg of war neually anohor off the Naval Yard, which may be distinguished at a distance by the masting sheers. Merohant-vessels discharge and take in their oargoes at the town-wharves.

- Small vessels from the eastward, oocasionally proceed to Halifax by the S.E. passage, within Mecnab's Island. On the shoalest part of the bar of sand, whioh obstructs this passage, there are, however, but 8 feet at low water. Above the bar the depth increases to 5 and 10 fathoms, bottom of mud.

In sailing into Halifase Harbour from the eastward, especially with an easterly wind, observe that the Thrum Cap and Rock Head must be carefully avoided, In proceeding this way, ateer Weet, W.N.W., or N.W., acoording to the wind and your distance from the shoals, until George Island, up the harbour, is open a sail's breadth to the weatward of Mecnab's Island; then haul up for Sand wioh Point and York Redoubt, and prooeed npithe harbour, taking care to avoid the shoal oxtending from Point Pleasant. In turning to windwards give the upper or inner part of Maugher Beach a berth of one cable'a length; in ordor to avoid the Horse Shoe Reof, that runs from the north part of the beach to the diatance of $1 \frac{1}{\text { oables' length. You may atand }}$ to the Sandwioh Point side to within two ships' length, that being bold-to; but atand no further over to the westward, to avoid Point Pleasant Shool, then Ohebucto Head opon of Band wich Point.*
are from 8 channel, is There is ut it would ook on the ioh Point; part, only off which dout.by a

40 marked rut having ring direo-

Mr. Dary, R.N., of H.M.S. Cornwallis, made the following remarke while progeeding from Halifax to Quebec. The Cornvallis left Helifax on June 4th, 1838 :-
". Wind north with fino meather, sailed with Pearl, Dee, and Charybdis for the Gut of Oanso. Passed out between the Thrum Csp and Rock Head Bhoals to within a cablo's length of the Thrum Cap buoy, having 10 fathoms water; thic ohannel is quite cafe. Being thus clear, 27 miles led us to the sonthward of the Jedore Shonls; then East for White Head, wind and weather looking favourable. Just to the enatward of Cole Harbour is a remarkable red oliff, making in a well-formed saddle; the red is bright, and the eastern coast, theroby, is easily reoognized; while the coast to the westward of Halifax is known by its white oliffis. It is advisable for stringers ruining from Jedore to Canso, not to approach thesooast nearer thasn 10 miles, until abreast of Tor Bay. Thic is a spacious bay, having Berry Head at its western point and Cape Martingo at its eastern, 6 miles apart. White Head Island, immediatoly to the eastward of Tor Bay, is the mont remarkable land on the const, and is as a beacon to the pilote; it stands weil out, and from the wentward terminates the eastera view. Being 10 miles south of it, steer N.E. by E. for Oanso Lighthouse, which is a tall white building, and makes well out to seaward, on a small, low ieland, named Cranberry Ioland. It exhibita good fixed lights whioh must be brought to bear West before keeping away; then stoer N.N.W., until George Ialapd beears Went, thence. N.W. and N.N.W. for Cape Argos. Avoiding the Cerberus Shoal, whioh is very dengerous, and directly in the track, leave it on your port hand. Cape Argos makes like a round island, and is bold to approach; passing this, the distance across the gut becomes narrowed to $1 \frac{1}{2}$ miles."-Naut. Mag., 1889, p. 290.

On the coast from Halifax, weatward, to Margaret's Bay, the country appears, from the offing, very rocky with numerous inlets, the shore being steop-to, and bounded with white rocky olifs. The high lands of Aspotogon, on the east side of Mahone Bay, are very remarkable; and proceeding eastward from Mahone Bay the rocks which surround the shore are black, with some banks of red earth. Between Cape Le Have (which is a remarksble promontory, 107 feet above the ses, bald on the top, with a red bank under it, facing the south-westward) and Port Medwey, there are some hummocks inland, abont which the country appears low and leval from the ses ; and, on the shore, white rock and stony beaches, with several low bald points; hence to Shelburne Harbour the land in woody. About the entrance of Port Latour, and within land, are eeveral barren spote, which, from the offing, are easily discerned; thonoe, to Cape Sable, the land appears level and low, and on the shore are some cliffis of exceedingly white sand, particularly at the entrance to Port Latour, and at Oape Sable, where they are very oonspicuous from the sem.
frs. yourre manaous-The eatrance of this harbour bears from the entrance of the Gut of Annapolis N. 1 W., 11 ives, and may be diatinguished by the lighthouse on Partridge Island, which shows ani d light at 120 feet above the level of the sea, visible 20 miles. The tower is painted red ${ }^{\text {and }}$ white, in vertical etripes, and is furnished with. a bell, to be invariably tolled in thick or foggy weather; its position is lat. $45^{\circ} 14^{\prime} 8^{\prime \prime} \mathrm{N}$., and long; $66^{\circ} 8^{\prime} 5^{\prime \prime} \mathrm{W}$. $\Delta s$ a guide to veseols making St. John'e, a large iron fog-bell has lately been placed in tf fathome, it the entranoe to the harbour. It lies with Cape.Spencer, bearing S. $59^{\circ}$ E.; Cape Mispick, 8. $62^{\circ}$ E., 효 milei ; Partridge Lighthouse; N. $21^{\circ}$ E., $1 \frac{1}{2}$ miles ; Sheldon Point, N. $49^{\circ} \mathrm{W} ., 1$, miles; Medginish south-east point, N. $76^{\circ} \mathrm{W}$., 2 miles; Oape Negro, red mark, B . $81^{\circ} \mathrm{W}$., $4 \frac{1}{4}$ miles ; and Cape Split, $8.78^{\circ} \mathrm{W}$. The height of the bell above the buoy is 10 feet.

4 beacon light is shown within Partridge Island, from a towor ereoted upon a spit or bar which runs out from 'Sand Point S.8. E. ebout \& a mile, and whioh dries at two-thirds ebb. This light is of great utility to the coasters, and all other vemols haring pilots on board, as it enables them to enter the hirbour at all hours of the night.

[^13]North-eact from the bemona light, juet off the town, is a ridge of rop 1 th whith is covered at. 2 hourn' flood; from this ridge and eastward of the town ar oxtensive and drivi Point, atretohing off about 2 oables' length.
"The bottom, for coverill miles to the south ward of Partridge Ieland, is muddy, and the depths gradual, from 7 to 20 fathoms, afording exaellont anehorage; the pacsage weotward of this island has in it 10 fees; that to the enatward has 16 feet; apd abreapt of the city are from 7 to 12 fathoms.

A breakwater has been erected on the eastarn side of the entrance to the berbour, below the town, for the purpose of redaoing the inset of the siea, especially during a southerly gale.

The OITY OF ST. JOHN otande on the Rivy St. John noar ite mouth, and oarries on a considerable tradp, and manyeshipe are built here. Within the harbour is a valuable fishery, where large quantitien of alonon,' herrings, and elud are oured for exportation. In the moat eevere winter it is frep from the incumbranee of coe. The country on the banke of the river abounds in afoellent timber, coal, limestone, and other minerals. Partridge Islend is about 2 qiles to the southward of the oity, answering the double purpose of rotecting the harbour, and, by ite lifhthouse, guiding and direeting the mariner to its entranoe.

The entrance into the river, 2 miles aboze the town of St. John, is over the Falla, a narrow channel of 80 yards in broadth, and about 400 long. This channel iestraight, and a ridge of rocks so extends across it as to retain the fresh water of the river. Tho乡ommon tides flowing here about 20 feet; at low water the level of the river is about 12 feet higher than that of the sea; and, at high water, the level of the sen is from 5 to 8 feet higher than that of the river; 80 thatif in every tide, there are two falle, one outward aod one inward. The only time of pascing this place is when the water of the river is level with the wator of the sea, which is twioe in a tide; and this opportunity of passing eontinues not above 10 minutes: al all other tipes it is impasemble, or extremely dangerous. After passing the Falls, you enter into a gullet, whioh is about a quarter of a mile wide, and two mile long, trinding in soveral coursee, and having about 16 fathoms in the ehannel. Having passed this gullet, you enter a fine large basin $1 \frac{1}{4}$ miles wide, and 8 miles long, whigh enters the main river. : The river branohes some hundreds of miles up, in a serponting manner, and rune through a country which abounds with timber, coal, limestone, and many other minerale, and the surrounding lands are now beooming highly oultiveted. There is water enough to vevigate ressele of 50 tone as high es Fredericktóa, and in all the brauchen of the lakes adjacent, excopt in dry seasons. At times of great freshes, whioh gendrally happen between the beginning of Apsil and the middif of May, from the meltitg of the snow, the Falls are absolutely impassable to vessele bound up the river, as the tide does not rise to their level.

The following direotions for St. John's Harbour and Meogones Bay were writton a fow years since by Mr. Backhouec. It should be mentioned that from Captain Owtn's surrey it would appear that the passage on the enst side of Partridge Island is the best, there being in the other only 7 to 12 feet, and some shoal spots of less water at low tide.
"When you make Meogenes Ialand, or Partridge Iale, to ate to be distinguishod from the lighthouse on the latter, then make a signal for a pilot, and the intelligepeo from Partridge Ieland will be inmediately communicaled to the Oity of St. Johrt, whence a pilot will join you. Should the wind be contrary, or any other opstruotion meet you, to provent your obtainiăg the harbour that tide, you may enil in between the S.W. end of Meogenes Ioland and the mein, or between the N.E. end and the main, and come to anchor in 4 or 5 fathoms at low water, mud and sandy bottom. The mark for the best anohoring ground bere is, to brivg the three bille in the country to the N.E. in a line within Rociky Point Island,* and the house on Meogence Island to bear S.E. by 8 .
Should the tide of obb have taken place ait the betoon, you must not, by auy meaps, attompt to gain the harbour that tide, but wait the next half food, to go over the bar, as both eides of the entranee of this harbour an nothing but sharp roeks dry at low water; and the tide of ebb is so rapid in the spring, when the iee

[^14] Book. It is tarcoutiad by mantem rocima

* with is oxtensive Oranberry uddy, and te paccage pd abreant
harbour during . d oarries bours is a cured for ice. The cone, and the oity, shthouse,
${ }^{16}$ Falla, a s ptraight, rer. Thò rin about en is from falls, one - water of is opporpasabable, , which is rrees, and ater a fine The river through a rala; and or enougb bea of the generally aelting of r, es the
writton a n Owon's Id is the water at nguishod olligence St. John, ctruetion botween and the bottom. Is in the deogenes by auy go over up rooks the ice the Sthag
and anow are diseolved, that all the, anchpre on board will not hold the ebip from driving.
On, the Nova Seotia side of the Bay of Fundy, yout soundinge will be from 60 to 60, 70, 80, to 95 fathoms; stones like beana, and coarse sand; and as you draw to the northward, the quality of the ground will siter to a fine sand, and some amall shells with bleck specks. Approach no nearer to the south ahore than in 60 fathomis; and, as you edge off to the N.W. and W.N.W., you will fall off the bank, and have no soundings.
When you havo peesed Moogenes Island, edge in-shore towards Rooky Point, until Meogiones Polnt (Negro Hoad) is in a line over the N. W: corner of Meogenes Island; sailing in between Rocky Point, and Partridge Island, with theise marke in one, will lead you in the beet water over the bar, (0 jo 15 feet,) until you open Point Miepick to the northward of the low polnt on Parfridge Island; then'starboard your halm, and edge toward Thompson's Point, until the red store, at the south end of St. John's, is in a line over the beacon; koop them in ong nntil you pass the beacon at a dietance of a ship'e breadth; then haul up N.N.W. up the harbour, keeping the blockhouso, at the npper pert of the herbour, open to the weatiward of the kiug'a store, eituater olose to the watior side, which will lead you, in mid-channel, up to the wharves, whore yqu may lie aground dry, at half-tide, and olgan your ship's bottom, or lie afloat in. the stream at single anchor, with a hawsor faht to the poste of the wharves on shore. -N.B. The tide of flood bere is weak, but the pbb.runs very rapidfy all the way down paest Meogenes Island."

The following difections are based on the detaile of the survey of Lieutenants Harding and Kortright, eoting under the ordets of Oaptain W. F. W. Owien, of the Royal Nary, in 1844:
When running for St. John's avoid the rodivy ledge running off Innor Mispick Point, the enstern side of the entrance, to the distanoe faf 21 oables' longth, and which is steep-to, with 30 to 40 feet olose off; and having brought the stone barracks in one with the Wesleyan Chapel,* at the back of the town, bearipg N. $\frac{1}{4}$ E., steer in with this mark on, and it will oarry you oudside of the shoal water extending from the eastern side of Partridge Island. When Carlotion Church oomes in one with the oliff end, (the termination of the cliffe forming Negro Point,) bearing about N:W. $\frac{3}{3}$ N., you must ohange your conrse to this direetion, and it will lead you in' from 16 to 22 feet at $1 \frac{1}{4}$ oables' length to the northward of the shoal ground exteriding between Partridge Island and Negro Point. Continue in this direction until the stone church at the back of the towniogmes on the ond of the breakwater, when winu must run up with this mark past the beacon-light into the harbour. When just above the beacon-light ateer N. by W. or N. by W + W., and anchor off the town. Be cafeful to keep the lead going when following teese directions, that you do not strike on the shoal spots.
To the north-eastward of the bencon-light, nd just off the town, in a ridge of rocks which is covered at 2 hourg flood. From this ridge, and eastward of the town, Hére is an extensive flation mud and sand whic dries at low water; this extends Tlong the coast to Cranberry Point, and runs abo 2 t 2 cables' length from the shore. Cranberry Point is oliffy, and has some rooks runn ng off it.

It ia high water on the days of full and ohange a 11 h .44 m .; spring-tides rise 28 to 25 feet, and neape 21 to $\% 3$ feet.

Sionals.-The following signals are displayed at Purtridge Island, on the approach of vessels to the harbour of St . John :-


[^15]
## THLTEAREOURS OR HALIFAX AND AT. JOHN, \&c.

The above are alfplayed at the enot or weet 'yard-arm, according to the dircetion in, Whioh the recocils aro at innt obmorved; and as soon as their rig can bo dictinguinhed, deveiptive colompe will bo holoted at the mathend in the following order:-
A union jadh, with a whito pendant over... for a amall armod veneol.
A,blue pondant
Aradito
merohant ship.
A white and blue diltto
A vito ditto (without a bail)
4 red flag, pieroed whito
4 ball att tho mautheed merehant bris.
foreign vescal.
top-sail mohooner or sloop.
stoambout from St. Androw's and Enitport.
Ghould immedisto aid be neoescary, gups to be fired. In foggy woather"; "te gun will be Ared on Partridge Inland in return for sach heard at coe. Bhould a veacol require - pilot, her decoriptre pendant will be diaplajed at a yard-arm in the place of a ball.

In segard to the time for going throught the Falle, near St. John, it may be mentioned that the Falls are lovel (or itill waibr) at whout 81 hours on the flood, and about 9i on tho abb, which makea them pameable four timees in twenty-four hours, about 10 or 15 minutes eeoh time. No other rulo oan be given, as muoh appends on the floods in the Biter St John, and the time of high mater, or full sea, whioh is often hastoned by Migh winde, and in proportion to the height of them.

To the W.S. Weetiedria ol Meogenes Island, is Flat Bay, in whioh the dopth ls 5 and 4 fathoma watior. It is a emall harbour, ocoasionally used by ooastoru. From hence the land trivat noarty W.BiW., prasing Nebse Hoad and Halfway Point, (on whiob is a whito horizontal etrilpe, about $\bar{B}$ feet broad, and which appears to bo 40 fest long.) to Cape Masquesh, whioh in 9 tmiles from Partridge Ialand. Close off Oape Musqueth is the Eplit Fiok; with 8 fothomes very near it; this rook is narked by seven white balls, six of which are dintinotly visible at a distance of 10 or 12 miles.

TRE END.



[^0]:    

[^1]:    
    
    

[^2]:    "Or the reador zay frefor to the large chart of the manke, on two sheeta, sold by the publinkis
    
    
    
    

[^3]:    
    

[^4]:     Conoeption Bay, vary probably the whole ialand, in riging out of the gemen at a rate which prominot, at no very atetrat day, materially to af wot, if not to remdor uselete, many of the beat herbours wo
    
    
    
    
    
    

[^5]:     P int inkin

    - T -
    - $\frac{1}{4}+$ Tioh is 7 . Food anohorege; in from Now Herbour, is Dilio Har. chat in 8 to jexihoms vetor, in a cove, at the northern pide of tho tuty is $\quad$ athpto Bas, the entrenoe of whiah is a mile ground. Three millem from -ive doep; hert, bohind s mentl inoo of Which is a mila mpoad, and the bay about 8

[^6]:    

[^7]:    - st Charlow and Battle Harboury ure the prinoipal fiahing stations on this conat: -

[^8]:[^9]:    *This atands a short dietimee beak from the couthern ohore of tho harbonr, and is at pricent
    

[^10]:    - On this point there is a equare lighthouse, painted white, with a blaok diansond on the ean. ward side; whioh exhibits two fired white lights, viaible about 8 milem.

[^11]:    - The swashway here me has, just to the wegtward of surusia formed by a xiver running downs This is a very good mark for small reappearizg like ohalk, but which Old Bio, as the enst part of the rall ressels coming from the weetward, wif
    
    . 6

[^12]:    - 云。

[^13]:    blowing to hard as to rednce a ship to very low canvase, if not to bare poles; and should the wind come to the eastward, it is invariably ettended with mach thick weather as to provent an obvervation or ceeing to any great diatence; hence, under such circamatances, it would be impradent to rum for the ehore, more partioulariy in wintor, when the cacterly winds are attended with aleot and anow, whoh lodge about the meots, seile, rigging, and every part of the ship, bocoming a solid body a ice 20 soon tas the wind shifts round to the N.W., Whioh it does suddenty fromi the cemtwar. Thete mre ofroumgtancen of real difioulty ; and it has boon recommonded, in ruol a amep, to ram far to the sonth-ventward, (aroiding the Gulf Stream; ) and thence from the 8.W. coant, to kees the ahose on board, the the way to Halimes.

[^14]:    * Thic is as inlet, lyias at a cablo's laggth from the point, and fore propeciy mamed the Shac

[^15]:    - This building will be krown by its gotagonal tower withe eir elar top. It in eritumted in tho स.1. part of the town.

