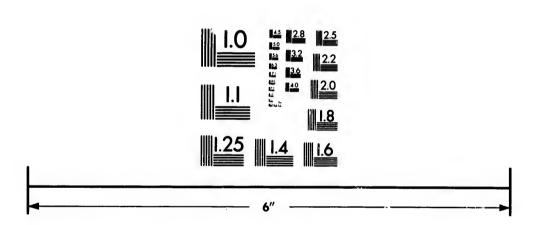


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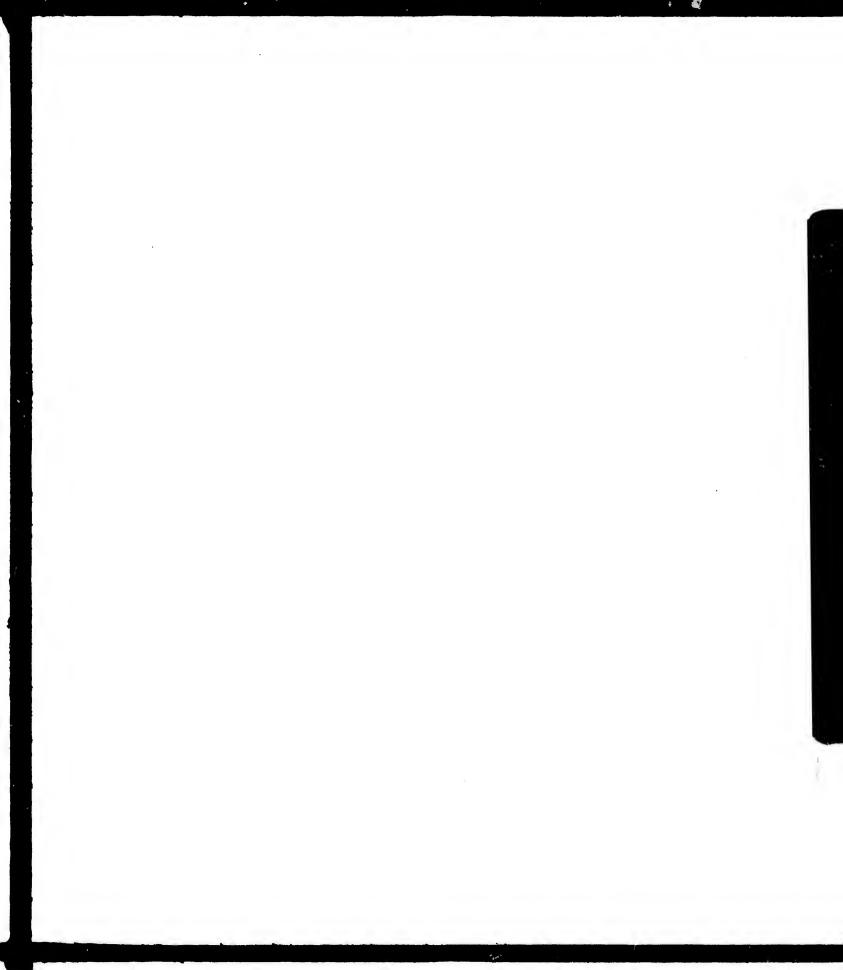
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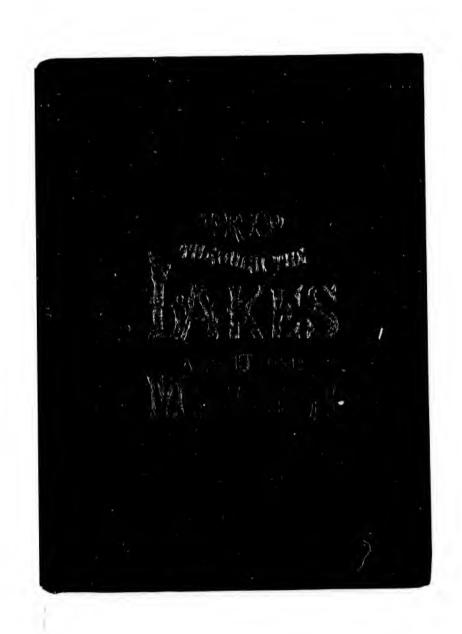
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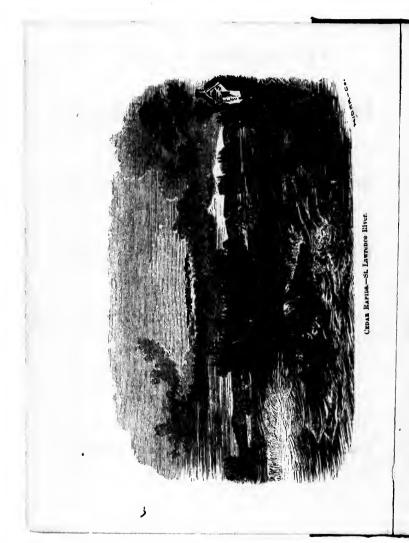
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THE GREAT LAKES,

INLAND SEAS OF AMERICA;

EMBRACING A FULL DESCRIPTION OF

LAKES SUPERIOR, HURON, MICHIGAN, ERIE, AND ONTARIO;
RIVERS ST. MARY, ST. CLAIR, DETROIT, NIAGARA, AND ST. LAWRENCE;
COMMERCE OF THE LAKES, ETC., ETC.

TOGETHER WITH A GUIDE TO THE

UPPER MISSISSIPPI RIVER,

GIVING A DESCRIPTION OF CITIES, TOWNS, ETC.

FORMING ALTOGETHER A

COMPLETE GUIDE FOR THE PLEASURE TRAVELER & EMIGRANT.

With Maps and Embellishments

COMPILED BY J. DISTURNELL,

AUTHOR OF THE "INFLUENCE OF CLIMATE," ETC.

PUBLISHED BY THE AMERICAN NEWS COMPANY,

No. 121 NASSAU STREET. 1868.

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PREFACE.

In presenting to the Public the present volume, entitled "THE GREAT LAKES, or 'INLAND SEAS' of AMERICA," embracing the Magnitude of the Lakes—Commerce of the Lakes—Trip through the Lakes—Route from Lake Superior to Lake Winnipeg—Tables of Distances, etc.; also, a Guide to the Upper Mississippi and Red River of the North, the Compiler wishes to return his sincere thanks for the liberal patronage and the many kind favors received from those who have doubly assisted him, by contributing reliable and useful information in regard to the many interesting localities in which the Great Valley of the Lakes and of the St. Lawrence abounds, affording altogether many new and interesting facts of great importance to the Tourist, who may wish to visit the Inland Seas of America for health or pleasure; the tour being one of the most healthy, picturesque, and wonderful—when viewed as a whole, from Lake Winnipeg to Lake Superior, and thence to the Gulf of St. Lawrence—on the face of the globe.

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In the arrangement and compilation of this work every attempt has been made to render the information it contains concise and truthful. The Magnitude and also the Commerce of the Lakes are themes of great interest, they now being whitened by a large fleet of sail-vessels, in addition to the swift steamers and propellers which plough the waters of these Great Lakes, transporting annually large numbers of passengers, and an immense amount of agricultural and mineral products, to and from the different ports.

Lake Superior, the *Ultima Thule* of many travellers, can now be easily reached by lines of steamers starting from Cleveland and Detroit, running through Lake Huron and the St. Mary's River; or from Chicago and Milwaukee, passing through Lake Miehigan and the Straits of Mackinac. All these routes are fully described, in connection with the Collingwood Route, and Route to Green Bay; affording altogether ample and cheap opportunities to visit every portion of the Upper Lakes and their adjacent shores.

The most noted places of Resort are Mackinac, Saut Ste. Marie, Munising, near the Pictured Rocks, Marquette, Houghton, Copper Harbor, Ontonagon, Bayfield, and Superior City. If to these should be added a Trip to the North Shore of Canada, visiting Michipicoten Island, Fort William, and other interesting localities—passing Isle Royale, attached to the State of Michigan—the intelligent Tourist would see new wonders of almost indescribable interest, while inhaling the pure atmosphere of this whole region of Lake Country. Among the Mineral Regions may be found objects of interest sufficient to induce the tourist to spend some weeks or months in exploration, hunting, and fishing; and if, added to this, should be included a journey to the Upper Mississippi Valley, or Lake Winnipeg, an entire season could be profitably employed.

NEW YORK, June, 1868.

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Part II.

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Saut Ste. Marie, Munihton, Copper Harbor, nese should be added chipicoten Island, Fort Isle Royale, attached ould see new wonders e pure atmosphere of Mineral Regions may the tourist to spend fishing; and if, added er Mississippi Valley, itably employed.

Part II.

J. D.

CONTENTS.

Part IRAILEGAD and STEAM-	NIAGARA RIVER.—Its Rapids, Falls,
BOAT ROUTE from New York to	Islands, &c
the head of Lake Superior 9	Grand Island — Tonawanda —
	Schiosser's Landing—The Rapids
Montreal and Quebec, passing	-Goat Island 3
through Lake Ontario and down	Goat Island Bridge—Bath Is., &c., 3
the St. Lawrence River10-12	Marine Marie Character 18., 20., 3
MAGNITUDE OF THE LAKES OR "IN-	Niagara—Horse-Shoe or Canadian
	Fall—American Fall 3
LAND SEAS."—Lake Superior 13 Lake Michigan—Green Bay—Lake	CATARACT OF NIAGARA-Climate, &c. 3
Huron Cosmics Des Tale Co	Suspension Bridge — Whirlpool—
Huron—Georgian Bay—Lake St.	Village of Niagara Falls, &c 39-4
Clair—Lake Erie 14	Great Western Railway of Canada, 4
Lake Ontario-Tributaries of Lakes, 15	Objects of Interest—Want of Im-
Lake and River Navigation 16	provement—Lewiston 4
Altitudes Topography, &c 17	Route around Lake OntarioRapids
	of the St. Lawrence 4
Fish of the Upper Lakes. 19	Lake Ontario 4
A Hyaical Cuaracter of the Missis-	and the second s
sippi Basin—Physical Character	Part III TRIP THROUGH THE
of the St. Lawrence 20	LAKESCity of Buffalo 4
Dimensions of the Great Lakes-	BUFFALO TO DETROIT-North Shore
Progress of Development 21	Route 4'
Lunar Tidal Wave in the Great	Ports Colborne-Dover-Burwell
Lakes	—Stanley, &c
Remarkable Phenomens-Rising	Point Pelee-Detriot River-Am-
and Falling of the Waters 24	herstburg-Sandwich-Windsor,
COMMERCE OF THE LAKES.—Early	
History25-28	
First Steamboat on Lake Erie 29	ROUTE FROM NIAGARA FALLS TO
Tonnage of the Lake Districts in	HAMILTON AND DETROIT St.
the United Chates Districts in	Catharines Dundas, &c 50
the United States 30	Paris — Woodstock — Ingersoll —
Dant II Dansan	London-Chatham, &c 5
Part II.—RAILROAD AND STRAM-	BUFFALO TO GODERICH, C. W
BOAT ROUTES-Buffalo to Niagara	Dunville-Brantford, &c 52
Falls-Waterloo-Navy Island. 31	Goderich—Table of Distances from
Chippewa-Niagara Falls-Drum-	Buffalo to Toledo 53
mondaville—Battle of Lundy's	BUFFALO TO CLEVELAND, TOLEDO,
Lane 32	&cDunkirk, Barcelona, &c 5
Clifton—Queenston—Brock's Monu-	Erie — Conneaut — Ashtabula —
ment-Village of Niagara 33	
,	

Cleveland-Perry Mounment	Page 56	ROUTE FROM CHICAGO TO MACKINAO
STEAMBOAT ROUTE FROM CLEVE-	-	AND SAME CHICAGO TO MACKINAO
LAND TO DETROIT.	57	Wankson Frank Marie 81
Black RivorVermilionHuron-	01	Waukegan — Keuosha — Racine—
Sandusky-Toledo, &c	58	Milwaukee 82
Railroads diverging from Tolede-	90	Granaries of Iowa, Minnesota, and
Perrushurch		Wisconsin-Railroads, &c 83
Perrysburgh	59	Sheyboygan — Manitouwoc — Ke-
Manmee City-Monroe-Trenton,		WanneeAbneenee &c
&c.—Route around Lake Erie	60	Manitou, Fox, and Beaver Isl.
Ohlo and Erie Canals—Fort Wayne	61	ands-Straits of Mackinge, &c 85
Table of Distances from Cleveland		MACKINAC-Town and Fortress 86
and Detroit to Superior-Lake		Lover's Leap-Altitudes of Various
Cities	62	Points
DETROIT—Kailroads, &c.	63	Arched Rock-Sugar Loaf, &c 88
Detroit River-Ile la Perche	64	
DETROIT TO MILWAUKEE-Increase	-2	Round Jeland St Martin D.
of Lake Cities	65	Round Island—St. Martin's Bay—
Grand Rapids-Grand Haven, &c.	66	Point de Tour-St. Joseph's Isl-
TRIP FROM DETROIT TO MACKINAC,	00	ands-Lime Island, &c 90
Chicago, &c.—Trip across Lake		Nebish and Sugar Islands-Lake
Michigan		George-Church's Landing, &c. 91
Michigan.	67	ST. MARY'S RIVER-Description of. 92
Ashley - Algonac - Newport - St.		SAUT STE. MARIE- Fort Brady 93
Clair, &c	68	St. Mary's Ship Canal 94
Southerland Port Huron Fort		Father Marquette and his Dis-
Gratiot-Sarnia, &c	69	covery of the Mississippi River. 95-96
MOUTE FROM SARNIA TO GODE-	6	Discovery and Settlement of Macki-
RICH, &cKincardine-Saugeen	70	nac97-98
ROUTE FROM PORT HURON TO SAG-		St. Mary's Ship Canal-Opening
INAW CITY-East Saginaw, &c	71	and Closing of Navigation—Saut
LAKE HURON-Saginaw Bay, Ta-		Sta Maria
was Bay, &c	72	Ste. Marie
LOWER PENINSULA OF MICHIGAN-		Thomas in D.
Alpena—Duncan, &c		Part VDISTANCES FROM COL-
Old Mackinac—Grand Traverse	73	LINGWOOD TO SAUT STE. MARIE
City Manietas Com 178 Verse	1	-Collingwood, Fisheries, &c 101
City-Manistee-Grand Haven.	74	
STEAMBOAT ROUTE FROM DETROIT	- 1	SAUT STE. MARIE-Penetangui.
TO MACKINAO, GREEN BAY, &c		SAUT STE. MARIE—Penetangui- shene, &c
Ports on Lake Michigan	75	Owen's Sound - Lonely Island-
New Buffalo-St. Joseph-Amster-		Smith's Bay - She-ha-wa-nah
nam - Holland - Steamers on		Smith's Bay — She-ba-wa-nah- ning, &c
Lake Michigan	76	Man-i-tou-wah-ningLittle Current
		Bruce Vines to
Part IV COMMERCE OF THE	ĺ	-Bruce Mines, &c 104
UPPER LAKES-Means of Tran-		GRAND PLEASURE EXCURSION
sit_Routes Compared77-	20	AROUND LAKE SUPERIOR 105-106
Lake Superior Trade County	10	Lake Superior-Light Houses, &c. 107
Lake Superior Trade—Canadian Ca-		White Fish Point-Point au Sable
nais-New York Canals, &c 79-	801	-Trip to Lake Superior 108

Control of the state of the sta

Page	0502_
CHICAGO TO MACKINAO	PICTURED I
STE. MARIE 81	Grand Por
- Keuoslia — Racine—	Lake Super
82	Island—M
10WA Minnosota and	REMARKABL
-Railroads, &c 83	mental Ro
-Railroads, &c 83 - Manitouwoc - Ke-	Rise and F
suncepee, ac ba	Lake Supe
x, and Beaver Isl.	Negaunee-1
its of Mackinsc, &c. 85	Margnotto C
Fown and Fortress 88	Summary of
-Altitudes of Various	0
—Sugar Loaf, &c 88	Huran Tal
Silgar Loaf, &c 88	T.' Ance. Por
ekinac	Hancock-P
our—St. Joseph's Isl-	perior Shl
Island, &c 90	C. Koweenaw
Sugar Islands—Lake	Lake Supe
hurch's Landing, &c. 91	Eagle Ha
VER-Description of. 92	Ontonago
ARIE- Fort Brady 93	Gopper Mini
tp Canal 94	Climate an
uette and his Dis-	Influence.
e Mississippi River. 95-96	La Pointe-
Settlement of Macki-	Bayfield —
bip Canal—Opening	Aposties .
bip Canal—Opening	neatiny inn
of Navigation—Saut	Bayfield to S
	Clty—Bay
	Du Luth—S Fond du La
STANCES FROM COL-	Superior .
O SAUT STE. MARIE	Clifton—End
ood, Fiaheries, &c 101	Grand
Y-COLLINGWOOD TO	Isle Royale-
MARIE-Penetangui-	Superior F
* * * * * * * * * * * * * * * * * * * 102	Fisheries of
i — Lonely Island— y — She-ba-wa-nah-	. Vessels Lost
103	Neval Vocas
ning-Little Current	The Lakes
nes, &c 104	METEOROLOG
ASURE EXCURSION	ing the Te
E SUPERIOR 105-106	LAKE SUPER
-Light Houses, &c. 107	est, &c
oint-Point au Sable	TRIP ALONG
ke Superlor 108	EOG LAKE SUPI

ED ROCKS—The Chapel—	Taquamenon Bay-Mamainse Point
id Portail, &c 109-113	-Montreal Island-Michipicoten
Superior Region - Grand	Harbor 143
d-Munising, &c 114	Michipleoten Island-Caribou Island
KABLE PHENOMENA-Monu-	Otter Ba Slate Island 144
al Rock115-116	Copper Regions of Lake Superior
nd Fall of the Waters of	-North Shore 144
Superior 117	Fort William, C. W McKay's
ETTE-Iron Mountain 118	Mountain-Kaministiquai River 14
nee-Iron Mining Companies, 119	Thunder Bay-Black Bay-Neep-
ette County-Iron Mines. &c. 120	igon Bay-Island of St. Ignace 146
ry of the Total Products-	
uette to Keweenaw Point-	Part VIRAILROAD AND STEAM-
on Isles, &c 121	BOAT ROUTES from the City of
-Portage Entry-Houghton 122	New York to Lake Superior and
k-Portage and Lake Su-	the Upper Mississippi147-145
or Ship Canal—Lac La Belle 123	THE UPPER MUSSISSIPPI-Ita Wa-
naw Point-Copper Harbor 124	ters, Tributaries, and Extent of
Superlor Light-Houses-	Country Drained-Population, &c. 149
e Harbor—Eagle River—	Agricultural Productions, &c-
nagon 125	Table of Distances 150
Mining Companies, &c 128	Railroad and Steamboat Routes
and Health Restoring	from the City of New York to
ence	Lake Superior 151
nte-Madeline Island 128	Steamboat Route from St. Louis to
d — Ashland — Twelve	Dubuque and St. Paul 152
stles 129	Steamboat Route from St. Paul to
y Influence of Lake Superior 130	Dubuque and St. Louis 153
d to Superior City—Superior	Distances from St. Louis to New
-Bay of Superior 131	Orleans—Steamboat Route from
h-St Louis River 132	St. Paul to Mankato, Minn 154
u Lac-North Shore Lake	Railroads in Iowa, with their Con-
rior 133	
-Encampment Beaver Bay	Chicago to Rock Island and Council
and Portage-Pigeon Bay, 134	Bluffs-Chicago to Burlington,
yale—Geology of the Lake	Iowa, &c
rior Region 135	
es of Lake Superior 136	CHICAGO, Description of 157-158
Lost in the L. Sup. Trade. 137	Railroads diverging from Chicago-
	Railroad Route from Chicago to
	Dubuque
ROLOGICAL TABLE — Show-	Elgin-Belvidere-City of Rockford, 160
	City of Freeport-Warren-Ga-
UPERIOR—Objects of Inter-	lena—Dunleith
	DUBUQUE, Description of 162
LONG THE NORTH SHORE OF	Early History of Dubuque 163
	River Commerce of the West-
SUPERIOR 143	Tonnage, &c

£.

•

. . . 3

P D S M P O O E S

to Is of Co

Page	D
Information for Travelers—Lines of	CITY OF St. PAUL— lescription of. 190
Railroads from Chicago165-166	Red River Traders-Progess of Min-
R. R. RouteChicago to Dubuque, 167	nesota in Population and Wealth, 191
Railroad and Steamboat Route-	St. Paul to St. Cloud via Pacific R.
Chicago to Green Bay and Es-	REarly History of St. Paul. 192-193
cauaba, Mich	First Land Speculator in St. Paul-
R. R. and Steamhoat Route-Chi-	Jonathan Carver
cago to Green B. and L. Superior, 169	Drive from St. Paul to the Falls of
Juneau-City of Fond du Lac-City	St. Anthony 195
of Oshkosh-Lake Winnebago. 170	Mendota-Fort Snelling 196
Neenah — Menasha — Appleton-	Places and Objects of Interest
Green Bay to Fond du Lac 171	around St. Paul-Distances. 196-197
City of Green Bay-Fort Howard-	Minnesota R.—St. Peter—Mankato
Green Bay	-New Ulm-Buffalo Hunt 199-190
Green Bay to Escanaba and Mar-	view of the Falls of St. Anthony 200
quette—Railroad and Steamboat	view of Minne-ha-ha-City of St.
Railroad Route from Milwaukee to	Anthony-Minneapolis. 201
Madison and Prairie du Chien. 175	Minne-na-na-Anoka-Big Lake-
Chicago to Milwaukee, La Crosse,	St. Cloud 202
and St. Paul 176	Dauk Rapids Watab Crow Wing
Railroad Route from Milwaukee to	-Northern Minnesota-Otter-
Madison and Prairie du Chien-	Tail Lake 203
City of Madison	Interesting to Consumptives-Who
mailroad Route from Madison to	should go to Minnesota and who
Prairie du Chien-Elevation of	not204-205 Railroads of Minnesota-Geological
Several Places above the Gulf of	
Mexico 178	Northern Pacific Railroad North
Rauroad Route from Milwaukee to	western Minnesota207-208
La Crosse, Wis 179	Upper Mississippi Valley and the
Chimate of Wisconsin	Great Lakes 200
STEAMBOAT EXCURSION from Du-	DIRECT KOME From Superior City to
buque to St. Paul-Potosi-Mo-	St. Paul
Gregor 181	Lineary House St. Paul, Minn,
Prairie du Chien-Lansing-Browns- ville	Farming Lands of Illinois 211-212
City of La Crosse—Running of the	PORTAGE ROUTE from L. Superior to
Mississippi River by Moonlight. 183	L Winnipeg-Fort William-Ka-
La Crescent-Tempeleau-Winona, 184	ministaquoia R.—Dog Lake 313
Winona and St. Peter Railway-	Savan R.—Rainy L.—L. of Woods, 214
Fountain City-Reed's Landing	Winnipeg River—Lake Winnipeg. 215
WabashaLake Pepin 185	Lakes in the Valley of the Sas-
Scenery above Winona	Rad R Settlement - Hudeen B Co.
maiden's Rock—Lake Pepin 187	Red R. Settlement—Hudson B. Co., 217 Table of Distances—Fort William
Fun rising on L. Pepin-Lake City, 188	to Flore Alamanda
Red Wing-Prescott-St. Croix R.	
-Steamboat Route-Hastings: 189	ADVERTISEMENTS 219

GRAND PLEASURE EXCURSION

· ~ 3

Page
aut_-lescription of. 190
ders-Progess of Minpulation and Wealth, 191
Cloud viz Pacific R.
story of St. Paul. 192-193
eculator in St. Paul.
194
Paul to the Falls of

t Snelling: 195
t Snelling: 196
bjects of Interest
2aul—Distances 196-197
-St. Peter—Mankato
-Buffalo Hunt. 198-199

lls of St. Anthony. 200 e-ha-ha—City of St.

finneapolis..... 201
Anoka—Big Lake—

Watab—Crow Wing

onsumptives—Who

unesota-Geological

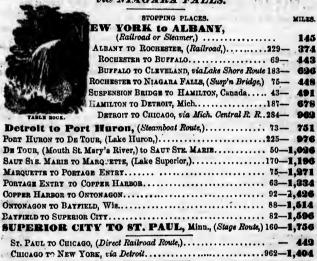
m Superior City to

ut-Hudson B. Co., 217 ces—Fort William

Minnesota-Otter-

Minnesota and who

FROM NEW YORK TO LAKE SUPERIOR & ST. PAUL, via NIAGARA FALLS.



THIS RAILROAD and STEAMBOAT ROUTE from the City of New York This Railroad and Steamboat Route from the City of New Roffs to St. Paul, Minn, via Niagara Falls, Lakes Huron and Superior,—passing the Island of Mackinac, the Saut Ste. Marie, and the Pictured Rocks,—a tetal Distance of 1,756 Miles, affords the invalid, and seeker of pleasure, during the Summer months, one of most healthy, interesting, and Grand Exeursions on the Conference of America. Continent of America. , ghiv y



GRAND PLEASURE EXCURSION

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BUFFALO AND NIAGARA FALLS TO MONTREAL AND QUEBEC,

Passing through Lake Ontario, the Thousand Islands, and down the Rapids of the St. Lawrence River.

American Side.	Objects of Interest, etc.	. Canada Side.		
BUFFALO Miles	Foot of Lake Erle.	Fort Erie Miles		
New York Central R.R.	ERIE CANAL.	Buffalo & Lake shown R. R.		
BLACK ROCK	Ningara River.	WATERLOO.		
Buffalo & Niagara Falls R. R.		WATERLOO.		
TONAWANDA 8-1	Grand Island, A.	Steam Ferry		
Sohlosser's Landing10-2	Navy Island, C.	CHIPPEWA. 17-20		
NiagaraFallsVillage 1-2	Cont Island	CHIPPEWA		
NIAOARA CITY 2-2	Goat Island, A.	Table Rock. 2-22		
		CLIPTON 4-24		
New York Central R. R.	Suspension Bridge.	Great Western Railway.		
	Rapids and Whiripool.	Brock's Monument		
Lewiston 4-2		QUEENSTON 4-28		
Youngstown 7-3:				
Fort Nisgara 1-30	Lake Outario, 180 miles long			
127 2	AMERICAN and CANADIAN	Port Dalhousle12-48		
Cak Orchard Creek	STEAMENS leave Lewiston	Hamilton		
CHARLOTTE, Outport for	daily doring the season of	(FIG.) BLAND (FIG.)		
CHAMBOLLEI O Geboti 101	namentian for Woments	TORONTO (direct)42-78		
Rochester 80-110	davigation, for foronto,	Grand Trunk Railway.		
	Charlotte, Oswego, Kings-	Grand Trunk Railway. Bowmanville43-121 PORT HOPE19-140		
Pultneyville 20-130	ton, and other Ports on	PORT HOPE 19-140		
Sodus Bay	I MAKE CHICATIO, DASSIUR COWD	7 7 1 2 1 3 7 5 7		
	the St. Lawrence River to	Conourg 8-148		
OSWEGO40-176	 Ogdensburgh and Prescott, 	or soll a designed to a		
Mouth of Oswego River.	from thence to Montreal.	Long Point. 52-200		
Stoney Point & Island. 34-21	ii daasiuk turouku ali tue	26 34		
SACKET'S HARSON 12-22	Rapids, having a total de-	Amherst Island30-230		
4	scent of over 200 feet, af-	3 . A v 7:1379: 1 - 6:		
Cape Vincent 20-24:	fording the most interesting	KINGSTON12-242		
Watertown & Rome R. R.	excursion on the Continent	Fort Henry		
,, are, 1000, A 100, 101, 101	Chromonou ou mic Commient	tore Henry.		
Clayton	THOUSAND ISLANDS.	Communication		
C-u, 10-1	Wolf, or Grand Island, Can.	Ganauoque18-238		
*	Wolf, or Grand Island, Can.	\$62 Ultarias		
Alexandria16-24	nowe mand, Gore Isl'd.	Mallorytown18-256		
Morristown20-269	Well's Island, New York.	Brockville12-268		
	Admiralty Islands.	Brockville and Ottawa R. R.		
OGDENSBURGH 11-280		Prescott 12-280		
Northern Railroad, 118 miles	Old Friends Group, and other	Ottawa and Prescott R. R., 53		
to Rouse's Point.		miles to Cttawa City. 7001		

Situate in North istitude 43° 6', and West longitude 2° 6' from Washington, being 594 miles above Quebec.

† There are two channels through these numerous and romantic Islands, known as the American, and Canadian Channels. The former passes near Cape Vincent, Cisyton, Alexandria, etc., being for the most part in American waters, attached to the State of N. York.

Canada Side.

HERM KEW AND QUEBEC. d down the RAPIDS I then wille

Canada Side. Grie Miles

4 Lak: sturn R. R.

LOO.

Ferry.

17-20

liook. 2-92 Western Railway.
Monument.
4-28 ra. 8-36 Massassuga. 12-48

G..... 8-148 rt Island......30-230

STON 12-242 Henry.... oque......18-238

rtown. 18-256
ville 12-268
ille, and Ottava R. R.
ille, and Prescott R. R., 63
to Cttawa City, real of

Washington, being 594 Islands, known as the incent, Clayton, Alex-the State of N. York,

Chimney Island.....5-285 Tibbet's Island

Lise aux Galops ... 2-287

Liseon. 7-294

Logden's Island ... 4-298

Waddington ... 2-300

Goose Neck Island ... 2-300

Chrysler's Island ... 12-312

Long Sault Island ... 4-316

Long Sault Island ... 4-316

Long Sault Island ... 4-316

Long Sault Island ... 4-316 Barnhart's Island..... Boundary Line between the United St tea and Canada. Giroux Island...... French Island..... Thora Island.
Pig Island.
Broad Island.
La Pierre Island.
La Pierre Island.
Isla I All.
St. TMOTHY.
Isle aux Nois. COTEAN RAPIDS.

Objects of Interest, etc.

American Side.

CEDAR VILLAGE... 10-367, Inie anx Quacks... Isie de la Grand Chute.. Foint aux Moulin... Isie aux Cascade... 5-372 Inie Perrot... Mouth Ottawa Rive-... Beauharnola.....8-373 CASCADE RAPIDS.*

Mouth of the Ottawa River.

LAKE ST. LOUIS. The North, or Canadian Channel, extends from Kingston, passing near Ganenoque. Several light-houses, or beacons, have been erected by the Canadian authorities to mark this intricate channel, which is studded with beautiful groups of islands—the Fiddler's Elbose, the Sisters, and the Scotch Bonnet, being passes, or groups of islands, of the most romantic character.

The above four rapids are ascended by means of the Beauharnois Canel, 114 miles in length, with locks, overcoming a descent of 84 feet.

CEDAR RAPIDS

SPLIT ROCE RAPIDS.

Objects of Interest, etc.			Canadian Side.		
TORIA B d of Nat Heien's l Theresa oup of It	TORIA BR d of Navi Heien's ls Theresa I Dup of Isi . Peter,	nga. gation. and. siand. unds. 25 miles in	Lachine 18-390 Canal, 84 miles. Isle aux Heron 6-396 Nun's Island Grand Trunk Railway. MONTR EAL 8-404 North latitude 45° 30'. L'Assumption 52. Sulpice La Vitre BRETHIEE 48-447 Fond du Lac 42-489		
Quebec.	Quebeo.	Ž.	Magdalen		
Quebec.	Rapide Quebec.		St. Anne. 10-514 a Point aux Trembles. 18: Augustine. 30-544 Cape Sante 30-544 Wolfe's Cove 8-572 QUEBBEC 2-574 North istitude 46° 49'.		
and of O	and of On	Leans.	QUE		

Trip to the Lower St. Lawrence and Saguenay Rivers.

The noble Sr. Lawrence River, which is cound, 126 miles; and the Tadousce, 140 about one mile wide opposite Quebec, extends a distance of about 400 miles when it empties into the Gulf, widening to 100 miles well kept Hotels, where see bathing and fish empues into the Guil, widening to low miles well kept Hotels, where sea-bathing and fish and upwards before reaching the Island of Anticosta.

The far-famed Saguenay River, its largest tributary, enters from the West about 140

During warm weather, Steamers run every few days from Monraean and Quesso for the

ed the clar the cal cal de

miles below Quebec, the St. Lawrence here being about 30 miles wide.

At Murray Bay, 80 miles; Kamourasks, 100 miles; Riviere Du Loup, 120 miles: Ca
America.

MAGNITUDE OF THE LAKES, OR "INLAND SEAS."



anadian Side. ne......18-390 81 miles. c Heron.....6-396

TB.....43-447

uenay Rivers. and the Tadousae, 140 resorts, or Watering wer St. Lawrence, are ere sea-bathing and fish-

y visitors seeking health the summer months. her, Steamers run every RAL and QUEERO for the and Sagnenay Rivers, ne most romantic and on the Continent of explorer, a just idea of the extent,

depth, and clear-ness of the waters of the Great Lakes of America, together with the healthy influence, fertility, and romantic beauty of the numerous islands, and surrounding shores, forming a circuit of about 4,000 miles, with an area of 90,000 aquare miles, or about twice the extent of the State of New York—extending through eight degrees of latitude, and sixteen degrees of longitude—this

OTHING but a rence. The romantic beauty of the rapids of this noble atresm, and its majestic flow the great bodies of water forming the "INLAND SEAS," can furnish the tourist, or scientific explorer, a just idea of the artest.

Aske Superior, the largest of the cylinder of the artest.

Aske Superior, the largest of the avent.

Aske Superior, the largest of the avent.

Aske Superior, the largest of the avent.

Aske Superior, the largest of the cylinder of the artest.

Ask Superior of the cylinder of the artest.

and 92° 30' west longitude from Green-wich, is situated at a height of 600 feet above the Gulf of St. Lawrence, from which it is distant about 1,500 miles by the course of its outlet and the St. Law-rence river. It is 460 miles long from east to west, and 170 miles broad in its and surrounding shoros, forming a circuit of about 4,000 miles, with an area of 90,000 square miles, or about twice the extent of the State of New York—extending through eight degrees of latitude, and sixteen degrees of longitude—this region embracing the entire north half of the temperate zone, where the purity of the *rosphere vies with the purity of the extensive waters, or "Inland Seas," being connected by navigable rivers or straits. one hundred rivers and creeks are said to the states, washed by the Great Lakes, are New York, Pennsylvania, Ohlo, Michigan, Indiana, Illinoia, Wisconsin, Minneseta, and Canada West—the boundary line between the United States and the British Possessions running through the centre of Lakes Superior, Huron, St. Clair, Erie, and Ontario, together with the connecting rivers or atraita, and down the St. Lawrence River to the 45th parallel of latitude. From thence the St. Lawrence flows in a northeast direction through Canada into the Gulf of St. Lawrence flows in a northeast direction with a rich foliage.

lew islands, except near its entrance into the Straits of Mackinac, through which it discharges its surplus waters. The strait is 30 or 40 miles in length, and discharges its accumulated waters into Lake Huron, on nearly a level with Lake Michigan. At the north end of the lake, and in the

At the north end of the lake, and in the Straits, are several large and romantic islands, affording delightful resorts.

Green Hay, a most beautiful expanse of water, containing several small islands, lies at about the same elevation as Lake Michigan; it is 100 miles long, 20 miles broad, and 60 feet deep; area, 2000 severa miles. This is a remarkably zo mies oroaq and to lect deep; area, 2,000 square miles. This is a remarkably pure body of water, presenting lovely shores, surrounded by a fruitful and healthy section of country.

Restry section of country.

Laske Hurron, lying at a height of 574 feet above the sea, is 250 miles long, 100 miles broad, and 750 feet greatest depth; area, 21,000 aquare miles. This lake is almost entirely free of islands, presenting a large expanse of pure water. Its most remarkable feature is Saginaw Bay, lying on its weatern border. The waters of this lake are now whitened by the sails of commerce, it being the great thoroughfare to and from Lakes Michigan and Superior.

and Superior.

Georgian Bay, lying northeast of Lake Huron, and of the same altitude, being separated by islands and headlands, lies wholly within the confines of Canada. It is 140 miles long, 55 miles broad, and 500 feet in depth; area, 5,000 square miles. In the North Channel, which communicates with St. Mary's River, and in Georgian Bay, are innumerable islands and islets, forming an interesting and ro-

the sea, is 320 miles long, 85 miles broad, and 700 feet deep; area, 22,000 square miles. This lake lies wholly within the confines of the United States. It presents a large expanse of water, with but low islands, excent near its entrance into

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Lake St. Clair, which is 25 miles

Lake St. Clair, which is 25 miles long and about as many broad, with a small depth of water; the most difficult navigation being encountered in passing over "St. Clair Flats," where only about 12 feet of water is afforded. Detroit River, 27 miles in length, is the recipient of all the above waters, flowing southward through a fine section of country into Laske Erie, the fourth great lake of this immense chain. This latter lake again, at an elevation above the sea of 564 feet, 250 miles long, 60 miles broad, and 204 feet at its greatest depth, but, on an average, considerably less than 100 feet deep, discharges its aurplus waters by the Nisgars River and Falls, into Lake Ontario, 330 feet below; 51 feet of this descent being in the rapida immediately tabove the Falls, 160 feet at the Falls themselves, and the rest chiefly in the rapids between the Falls and the month of the river, 35 miles below Lake Erie. of the river, 35 miles below Lake Erie. of the river, 35 miles below Lake Erie. This is comparatively a shallow body of water; and the relative depths of the great series of lakes may be illustrated by asying, that the surplus waters poured from the vast basins of Superior, Michifrom the vast basins of Superior, Michigan, and Huron, flow across the plate of Erie into the deep bowl of Ontario. Lake Erie is reputed to be the only one of the series in which any current is perceptible. The fact, if it is one, is usually assoribed to its shallowness; but the vast volume of its outlet—the Nisgara River—with its strong current, is a much more favorable cause than the small depth of its water, municates with St. Mary's River, and in Georgian Bay, are innumerable islands and islets, forming an interesting and roduced as the reason why the navigation mantic feature to this pure body of water. All the above bodies of water, into which number of streams, iver St. Clair, com-of Lake Huron, idth of 1,000 feet, to 60 feet, flowing ownward, 38 miles,

, which is 25 miles which is 25 miles is yellowed, with a the most difficulty outered in passing where only about redd. Detroit River, the recipient of all flowing southward of country into fourth great lake a above the sea of ng, 60 miles broad, eatest depth, but, on ably less than 100 ts surplus waters by nd Falls, into Lake ow; 51 feet of this rapids immediately feet at the Falls rest chiefly in the alls and the mouth a below Lake Erie. y a shallow body of tive depths of the may be illustrated irplus waters poured of Superior, Michicross the plate of Erie Ontario. Lake Erie only one of the series is perceptible. The usually ascribed to the vast volume of ara River—with its

depth of its water, ore appropriately ad-why the navigation such more than either

.. 1 1 : Mis

kes.

The ascertained temperature in the mid-dle of Lake Eric, August, 1845, was tem-the lovel of the ocean, while the altitude perature of air 76° Fahrenheit, at noon—of the land which forms the water-shed

ocean, or tide-water. Of these five great lakes, Lake Superior has by far the larg-est area, and Lake Ontario has the least, having a surface only about one-fifth of that of Lake Superior, and being some-what less in area than Lake Erie, although not much less, if any, in the circuit of its shores. Lake Ontario is the safest body of water for navigation, and Lake Erie the most dangerous. The lakes of great-est interest to the tourist or scientific traveler are Ontario, Huron, together with Georgian Bay and North Channel, and

water at surf ce ?3°—at bottom 53°.

Lake Ontarle, the fifth and last of the Great Lakes of America, is elevated 234 feet above tide-water at Three Rivers on the St. Lawrence; it is 180 miles long, 60 miles broad, 600 feet daen

Thus basin succeeds 1.—. 600 feet daen

miles long, 60 miles broad, 600 feet deep.

Thus basin succeeds basin, like the looks of a great canal, the whole length of waters from Lake Superior to the Gulf of waters from Lake Superior to the Gulf of St. Lawrence being rendered navigable for vessels of a large class by means of the Welland and St. Lawrence canals—thus enabling a loaded vessel to ascend or descend 600 feet above the level of the water and a strong northerly wind, descend, or tide-water. Of these five great discharges some of its surplus waters into the Illinois River, and thence into the Mississippi and Gulf of Mexico—so low is the divide at its southern terminus.

When we consider the magnitude of When we consider the magnitude of these Great Lakes, the largest body of fresh water on the globe, being connected by navigable Straits, or canals, we may quote with emphasis the words of an English writer: "How little are they aware, in Europe, of the extent of commerce upon those 'Inland Seas,' whose coasts are now lined with (Bourishing coasts are now lined with flourishing towns and cities; whose waters are plow-ed with magnificent steamers, and hund-Lake Superior. The many picturesque ed with magnificent steamers, and hund-islands and headlands, together with the reds of vessels crowded with merchandise pure dark green waters of the Upper Even the Americans themselves are not Lakes, form a most levely contrast during the summer and autumn months.

The altitude of the land which forms the water-shed of the Upper Lakes does

TRIBUTARIES OF THE GREAT LAKES AND ST. LAWRENCE RIVER.

Unlike the tributaries of the Mississippi, the streams falling into the Great Lakes or the St. Lawrence River are mostly rapid, and navigable only for a short distance from their mouths.

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MA	ERICAN	HDE.			Miles
t. Louis River, Min	Su	perior to	Fond du	Lao	20
ox, or Neenah, Wis		een Bay	to Lake	Winnebag	0* 30
t. Joseph, Mich		Joseph	to Niles.		20
L. Joseph, Bich		and liev	en to Gr	nd Rapid	8 4
frand River, "	M.			go	
				er Sagins	
MKINAM		ginaw Da	y to Op	iet Gukine	
faumee, Ohio		aumee 138	y to Per	rysburgh.	
denosee, N. Y	Gr	ariotte to	Roches	er	
CA	NADIAN	SIDE.			Miles
Chames	La	ke St. Cl	air to Ch	them	2
Ottawa	La	Chine to	Carillon		4
44	(B	u means	of locks t	Ottawa (City) + 7
Richelieu or Sorel		rel to La	ke Cham	clain (by l	ocks) 7
aguonay				mi	
Saguonay	10			St. John,	
		(enouc	o to make	_	
LAKE AND	RIVER	NAVI	GATIO	N,	1
FROM FOND DU LAC, LAKE BU	PERIOR,	TO THE	BULF OF	ST. LAWR	ENCE.
LARRS, RIVERS, ETC.		Greatest	Av.	Depth in feet.	El, abov
	miles.	breadth.	breadth.	800	
Superior	460	170			
St. Mary's River	60	5	2	10 to 100	
Michigan	320	85	58	700	0.0
Green Bay	100	25	18	100	0 010
Strait of Mackinac	40	20	10	20 to 20	0 910
Huron	250	100	70	70	0 512
North Channel	150	20	10	20-to 20	
Georgian Bay	140	55	40	50	0 574
St. Clair River	38	11	1	20 to 6	
Lake St. Clair*	25	25	18	10 to 2	0 568
Detroit River	27	3	1	10 to 6	0
Erie	250	70	40	20	0 564
	35	3	ĩ		1
Niagara River	180	58	40	60	0 234
Ontario	760	100	2	•	
St. Lawrence River	100	100	4		142
Lake St. Francis, foot Long Saut			_		58
Lake St. Louis, foot Cascade Rapids			5		
At Montreal			3		190 yri 13
Lake St. Peter	1 12		12		J. Krabier 6
Tide-water at Three Rivers			1		, 0,
At Quebec			1		· 0.
At Quebec					4. 1000a tare

Total miles navigation...... 2,835

* By means of 17 locks, overcoming an elevation of 170 feet,

† The navigation for steamers extends 150 miles above Ottawa City, by means of portages and locks,

† The St. Clair Flats, which have to be passed by all large steamers and sail vessels running from
Lake Eric to the Upper Lakes, now affords levelre, feet of water, the ship channel being vary narrow
and winding, where stands a light and bnoys to guide the mariner.

ALTITUDE OF VARIOUS POINTS ON THE SHORES OF LAKE

502 3361026,		
LOCALITIES.	Above Lake Superior	. Above the Sea
Lake Superior	000 feet	600 feet
Point Iroquois, South Shore	350 4	950 "
Gros Cap, C. W., North Shore	700 "	1.300 "
Grand Sable, South Shore	345 "	945 "
Pictured Rocks, "		800 "
Iron Mountains, "		1.450 ".
Quincy Copper Mine, Portage Lake	550 "	1.150 "
Mount Houghton, near Koweenaw Point	1.000 "	1,600 "
Percupine Mountains, South Shore	1 380 4	1,980 "
Isle Royale, Michigan	300 11	800 4
Minnesota Mountains (estimated)	1.200 4	1,800 4
Michipicoten Island, C. W	800 "	1,400 "
Pie Island, St. Ignace (estimated) 4	760 "	1.360 "
St. Ignace (estimated) "	1,200 "	1.800 "
McKsy's Mountain, " "	1,000 4	1,600 4
Thunder Cape, "		1.950

TOPOGRAPHY AND METROROLOGY.

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· Miles. and Rapids..... 40 ter...... 6 Miles.

atham....... 24

ST. LAWRENCE. Depth in feet. 800

10 to 100 700 100

200

El. above sea. 600 ft.

576 " 578 " 575 " 574 " 574 "

B68 ... 564 "

234 "

142 " 58 " 13 " 13 " 14 " 15 "

means of portages and locks, d sail vessels running from channel being very narrow

N.

"The mountains of the region along the south shore of Lake Superior, consist of two granite belts in the northwest, the Huron Mountains to the southward, a trap range starting from the head of Keweenaw Point, and running west and southwest into Wisconsin, the Porcupine Mountains in places attain an elevation of 1,200 feet above the Lake. The highest elevation attained by the Porcupine Mountains is 1,380 feet.

"Meteorological observations were instituted by order of the Government at three military posts in the District, viz.: Forts Wilkins (Copper Harbor), Brady, and Mackinac. From these observations it appears that the mean annual temperature of Fort Brady is about one degree lower than that of Fort Wilkins, although the latter post is nearly a degree further north. This difference arises from the insular position of Keweenaw Point, which is surrounded on three sides by water. The climate at Fort Brady, dur-

THE UPPER LAKES, OR "INLAND SEA," OF AMERICA.

atter the central relation to the central relation to

largest class of steamers or sail vessels. The shores, although not elevated, are bold, and free from marsh or swampy lands, presenting one clean range of coast for about 3,000 miles.

By a late decision of the Supreme Court of the U. States, the Upper Lakes including Lake Erie, with their connect-ing waters, were declared to be seas, commercially and legally. Congress, under this decision, is empowered to improve the harbors of the lakes and the connecting straits, precisely as it has power to do the same on the seaboard. This will probably lead to a vigorous policy in the maintenance of Federal authority, both in improving the harbors, and making provision for the safety of commerce, and protection of life, as well as guarding against foreign invasion. The only fortification of importance that is garrisoned is Fort Mackinac, guarding the passage through the Straits of Mackinac.

The islands of these lakes are numerous, particularly in the Straits of Mackinac, and in Georgian Bay, retaining the same and in Georgian Bay, retaining the same hold and virgin appearance as the main-land; most of them are fertile and susceptible of high cultivation, although, as yet, but few are inhabited to any considerable extent.

To prove its creation from feminine brains. To prove its creation from feminine brains. The prove its creation from feminine brains from feminine brains from feminine brains from feminine brains from feminine b

This appellation epplies to Lakes Huron, Michigan, and Superior, including Green Bay, lying within the confines of the United States, and Georgian Bay, which lies entirely in Canada.

These bodies of water embrace an area of about 75,000 square miles, and, as a whole, are deserving of the name of the Innand Stat, being closely connected by etraits or water-courses, navigable for the largest class of steamers or sall vessels. The shores, although not elevated, are described in the following poem:

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THE WHITE FISH.

HENRY R. SCHOOLCRAFT, in his poem. THE WHITE FISH," says:

- All friends to good living by tureen and dish, Concur in exulting this prince of a fish; So fine in a platter, so tempting a fry, So rich on a gridiron, so sweet in a pie; That even before it the salmon must fail, And that mighty bonne-bouche, of the land-beaver's tail.
- Deaver's tail.

 This a morsel slike for the gourmand or faster, Wh'le, white as a tablet of pure slabester its beauty or fasor no person can doubt. When seen in the water or tasted without; When seen in the water or tasted without; And all the dispute that opinion ere makes of this king of lake fishes, this 'deer of the letter, and the state of the letter, and the letter, and the letter, and the letter, and the letter is the letter of the letter, and the letter of the letter, and the letter of the letter of the letter, and the letter of the l

There is it. In the con schools are

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OF AMERICA.

waters of the Upper ed by a storm, or the g steamer, presents a only to these trans-y then assume the ad-am, with a lively green rystal-like appearance.
r, the white fish, and
ie finny tribe, delight g the sportsman and leasure, which is well owing poem:

ITE FISH.

DLCRAFT, in his poem. " aays:

ing by tureen and dish, is prince of a fish; tempting a fry, so aweet in a ple; e salmun must fall, nne-bouchs, of the land-

the gormand or faster, let of pure alabaster? operson can doubt, er or tasted without; at opinion ere makes fishes, this 'deer of the

ness to ponder or sup. dressing and serving it up

that pertains to the kind, man, in fenciful strains, from feminine brains."

d-dik-koom-maig, the Inand Legenda."

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CHARLE TO FISH OF THE UPPER LAKES, " CONTROL

"The numbers, varieties, and excellent quality of lake fish are worthy of notice. It is believed that no fresh waters known can, in any respect, bear comparison. They are, with some exceptions, of the same kind in all the lakes. Those found in Lake Superior and the straits of St. Mary are of the best quality, owing to the cooler temperature of the water. Their quantities are surprising, and apparently so inexhauatible, as to warrant the belief that were a population of millions to inhabit the lake shore, they would furnish an ample supply of this article of food. "Those engaged in eatching fish in the so inexhaustone, as to warrant the benefit that were a population of millions to inhabit the lake shore, they would furnish an ample supply of this article of food without any sensible diminution. There are several kinds found in Lake Superior, are several kinds found in Lake Superior, and some of the most delicious quality, that are not found in the lakes below, as the siskowit and muckwaw, which grow to the weight of eight or ten pounds. The salmon and some others are found in Ontario, but not above the Falls of Niag-

"The following is a very partial list of a few of the prominent varieties: the white fish, Mackinso and salmon-trout, white fish, Mackinac and salmon-trout, sturgeon, nuscalunge, siskowit, pickerel, pike, perch, herring, white, black, and rock bass, cat, pout, eel-pout, bull-head, rocch, sun-fish, dace, sucker, carp, mullet, bill-fish, sword-fish, bull-fish, stone-carrier, aheaps-head gar, &c.

'The lamprey-eel is found in all, but the common eel is found in neither of the

lakes, nor in any of their tributaries, except one. The weight to which some of these attain is not exceeded by the fish of any other inland fresh waters, except the Mis-

and the trout with hooks.

"Those engaged in catching fish in the
Straits of Mackinac, are composed of
Americans, Irish, French, half breeds,
and Indians. Some are employed by capitalists, others have their own boats and
nets. Each one is furnished with a boat, nets. Each one is furnished with a boat, and from fifty to one hundred nets, requiring constantly two or three men for each boat, to run the different gangs of nets. The fish caught are principally white fish, with some trout. The demand white fish, with some trout. The demand for exportation increases every year, and although immense quantities are caught every season, still no diminution in their number is perceived.

"A fleet of two hundred fish-boats are

engaged in and about the Straits, em-bracing, however, all the Beaver group. Each boat will sverage one berrel of fish per day during the fishing season.

"Ye, who are fond of sport and fun, who wish for wealth and strength; ye, who love angling; ye, who believe that God has given us a time to pray, a time to dence, &c., &c., go to these flahing-grounds, gain health and strength, and pull out Mackinac trout from 20 to 40 lbs. other initiand frean waters, except the missing of the state of the st

PHYSICAL CHARACTER OF THE MISSISSIPPI BASIN.

"The Valley of the Mississippi, bounded on the one hand by the Rocky Mountains, and on the other by the Alleghanies, embraces a drainage area of 1,244,000 square miles, which is more than one-half of the entire area of the United States. The Upper Mississippi Valley is composed of three subordinate basins, whose respective dimensions are as follows: dimensions are as follows:

The missories or	O COOL

Making a total of 90	1,000
Its navigable rivers are as follows:	
	files.
Missouri, to near the Great Falls	8.150
Missouri, above Great Falls to Three Forks	150
Osage, to Osceola	200
Kansas	100
Big Sioux	75
Yellow-atone	800
Upper Mississippi, to St. Paul	658
St. Anthony, to Sauk Rapids	80
Above Little Falls, to Pokegima Falls	250
Minnesota, to Patterson's Rapids	295
St. Croix, to St. Croix Falls	80
Illinois, to La Salle	220
Ohio, to Pittsburgh	975
Monongabela, to Geneva (slack-water, 4 locks)	9t
Muskingum, to Dresden " 8 "	100
Green Diverto BowlingGreen # K #	166

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"It would thus appear that the internal navigation of the Upper Misaissippi Valley is about 9,000 miles in extent; but, during the summer months, even through the main channels, it becomes precarious, and at times is practically suspended.

"The Misaissippi Valley, viewed as a whole, may be regarded as one great plain between two diverging coast ranges, elevated from 400 to 800 feet above the seas. St. Paul, the head of the navigation of the Misaissippi, is 800 feet above the ocean; Pittsburgh, at the junction of the Monongabela and Alleghany, forming the Ohio, 699 feet; Lake Superior on the north, 600 feet; but the water-shed on the west, at South Pass, rises to nearly 7,500 feet.

"It is traversed by no mountain ranges, but the surface swells into hills and ridges, and is diversified by forest and prairie. Leaving out the sterile portions west of the Misaouri, the soil is almost uniformly fertile, easily cultivated, and yields an abundant return. The olimate is healthy and invigorating, and altogether the region is the most attractive for immigration of any portion of the earth."

By means of a Ship Canal, connecting with the Illinois River, the waters of the Mississippi will be united with the waters of Lake Michigan—thus forming an un-

PHYSICAL CHARACTER OF THE ST. LAWRENCE.

The sources of the Mississippi on the and rivers, presents a system of water-east interlock with those of the St. Law-communication of nearly equal extent and rence, which, with its associated lakes grandeur.

IPPI BASIN.

ppear that the internal Jpper Mississippi Val-miles in extent; but, months, even through it becomes precarious, ctically suspended.
i Valley, viewed as a reded as one great plain ging coast ranges, ele-

f the navigation of the feet above the ocean; junction of the Monon-any, forming the Ohio, perior on the north, 600

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Ship Canal, connecting Ship Canal, connecting iver, the waters of the united with the waters—thus forming an unition for armed vessels in the Gulf of Mexico Lawrence, forming an of about 8,000 miles—the sub-tropical, and the sub-tropical and where nature is most

AWRENCE

its a system of water-nearly equal extent and

Lanes.	Greatest length. Miles.	Greatest breadth. Miles.	Height above see. Foot.	Area in
Superior		170	600	81,500
Michigan		85	516	24,000
Huroo		160	874	20,400
Erie	240	70	565	9,600
Ontario		60	232	6,500

The entire area drained by these lakes is estimated at 335,500 square miles, and their shore lines are nearly 5,000 miles in extent.

"These rivers are as diverse in character as in direction. The Mississippi is the longer, but the St. Lawrence discharges supendous estaracts; the one is subject to great fluctuations, the other preserves an almost unverying level; the waters of the commercial routes, taking Chicago as the initial point:

Chicago ic Mackinga (Allumi) the greater volume of water; the one abounds in difficult rapids, the other in stupendous cataracts; the one is subject sees an almost crystal purity; the one affords few lake-like expansions, the other swells into vast inland seas. Both have become the great highways of commerce,

TABLE SHOWING THE DIMENSIONS OF THE enriching the regions through which they flow, and supplying the inhabitants with the varied products of distant climer."—

Legan Greatest Regist Area in the varied products of distant climer."—

Poster and Whitney's Report on Lake Supe-

"The commerce of these lakes, whose annual value reaches \$450,000,000—more than twice the external commerce of the whole country—is carried on by a fleet of 1,643 vessels, of the following classes:—

No.	Tonnage.	- Value
Steamers 148	58,599	89,190,80
Propellers 254	70,258	8,578,80
Barks 74	88,208	982,90
Brigs 85	24,831	525,20
Schooners 1,068	227,881	8,955,55
Sloops 16	667	12,77
Barges 8	8,719	17,00
Totale 1.648	418.026	\$18,957.02

Chicag	n to	Mackinse (direct) 860	mil
Oliver M	. 14	Fond du Lac Superior 900	
"		Georgian Bay 650	
- 14		Buffalo, N. Y 950	
61	- 44	Quebce 1,590	
44		Gulf of St. Lawrence 1.950	

PROGRESS OF DEVELOPMENT.

The first colony of English extraction, planted in the territory of the Upper Mississippi, was in 1788—just seventy-five a similarity of conditions in soil and cilyosars ago—at Marletta, within the present limits of Ohio. This was the origin of that spirit of colonization, which, yithin the lifetime of many living men, has peopled this region with nine millions of human beings; has subdued and brought under cultivation, an area greater than that of all the cultivated lands of the British Empire: has connected the arriental on the surface of the earth. No mountain that of all the cultivated lands of the British Empire; has connected the principal
commercial points with a net-work of railways more than eleven thousand miles in
extent; and has built up a domestic industry, the value of whose annual product
is in excess of three hundred and fifty
millions of dollars. Out of this territory with almost boundless fields of coal, stored

The first colony of English extraction, have been carved not less than nine States, slanted in the territory of the Upper Missippi, was in 1788—just seventy-five a similarity of conditions in soil and cli-

away for future use; with vast deposits of the useful ores, and the precious metals, tivated, it will be seen that only about 16 on the rim of the great basin; and with a climate most favorable to the development of human energy, it is impossible for the mind, even in its most during speculations, to assign limits to the growth of the North-west. When all of these elements of wealth, now in a crude state, shall have been fully developed, there will be an exhibition, of human nower and fleet of more than 3.000 vessels, and rebe an exhibition of human power and greatness such as no other people ever attained.

Comparing the whole superficial con-

for exportation, giving employment to a fleet of more than 3,000 vessels, and requiring avenues of more than twice the capacity of existing ones.

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A LUNAR TIDAL WAVE

In the North American Lakes.

Extract from a Paper read by Lr.-Col. Graham, before the American Association for the Advancement of Science, August, 1860.

"Much has been written, at various In the speculations indulged in by some periods, on the fluctuations in the elevation of the surface waters of the great sometimes suspected, then again such an freahwater lakes of North America. Veluable and interesting memoirs have appeared from time to time in the American is attributed to the varying courses and freahwater lakes of North America. Valuable and interesting memoirs have appeared from time to time in the American Journal of Science and Arts, published monthly at New Haven, Connecticut, within the last thirty years, on this subject, written by the late Brevet Brigadier-General Henry Whiting, of the U.S. Army, when a captain, by Major Laehlan, Charles Whittlesey, Esq., and others. The observations contained in their memoirs have, however, been directed chiefly duration to develop the problem of a diuration to develop the problem of the pro moirs have, however, been directed chiefly to investigations of the extent of the secular and annual variations in elevation of the surfaces of these lakes.

"The learned Jesuit fathers of the time of Marquette, a period near two centuries ago, and at later periods the Baron de la Hontan, Charlevois, Carver, and others, noticed in their writings the changes of

who have mentoned the subject giving the tidal readings at small enough inter-vals of time apert, and of ong enough duration to develop the problem of a dius-nal lunar tidal wave on these lakes. The general idea has undoubtedly been that no such lunar influence was here porcep-

"In April, 1854, I was stationed at Chicago by the orders of the Govern-ment, and charged with the direction of noticed in their writings the changes of the harbor improvements on Lake Michelevation, and some peculiar fluctuations igan. In the latter part of August of which take place on these inland seas. that year, I caused to be erected at the with the portions culn that only about 16 face has been subtion and cultivation ratio in the future as t, before the lapse of will be collected an-s of the Great Lakes, 00 bushels of cereals ng employment to a ,000 vessels, and remore than twice the mea.

an Association for the

ndulged in by some slight lunar tide is then sgain such an velling and receding nd their disturbance varying courses and

whore seen that . . y observation was ever l on by these early of their successors tive subject, giving small enough interand of ong enough he problem of a diur-on these lakes. The doubtedly been that co was here porcep-

I was stationed at ers of the Governents on Lake Michpart of August of o be erected at the cast or lakeward extremity of the North harbor pier, a permanent tide-gauge for the purpose of making daily observations of the relative heights and fluctuations of the surface of this lake. The position thus chosen for the observations projects into the lake, entirely beyond the mouth of the Chicago River, and altogether out of the reach of any influence from the river current, upon the fluctuations of the tide-gauge. It was the fluctuations of the lake surface alone, that could affect the readings of the tide gauge.

"On the first day of September, 1854, a course of observations was commenced on this tide-gauge, and continued at least

on this tide-gauge, and continued at least once a day, until the 31st day of Decem-ber, inclusive, 1858. During each of the first three winters a portion of the daily observations was lost, owing to the tide-gauge being frozen fast in its box, but they constituted only a small number in proportion to that embraced in the series. During the subsequent winters artificial means were resorted to, to prevent this

freezing.
"These observations were instituted chiefly for the purpose of ascertaining with accuracy the amount of the annual and also of the secular variation in the elevation of the lake surface, with a view to regulating the heights of break-waters and plers to be erected for the protection of "ressels," and for improving the lake

denied or doubted.

"We think it probable that, if the effect of unfavorable winds and all other extraneous forces which produce irregular oscillations in the elevation of the lake surface could be fully eliminated, a semi-diurnal lunar spring tide would be shown of as much as one-third of a foot for the periods of highest tides.

The time of low-water and the relative times of duration of the flood and ebb

The time of low-water and the reality times of duration of the flood and ebb tides are given only approximately. The extreme rise of the tide being so little, the precise time of the change from ebb to flood, and hence the duration of the to flood, and hence the duration of the flow of each, can only be accurately de-termined by numerous observations at short intervals, say three to five minutes of time apart, from about an hour before to an hour after the actual time of low-

"In conclusion, we offer the above observes:—

"In conclusion, we offer the above observations as solving the existence of a semi-durnal lunar tidal wave on Lake Michigan, and consequently on the other great freshwater lakes of North America, whose co-ordinate of altitude is, at its summit, as runch as 16 to .25 (15 to 15 to

REMARKABLE PHENOMENA.

Prof. Mather, who observed the barometer at Fort Wilkins, Copper Harbor, 47° 30' north lat., during the prevalence of one of these remarkable disturbances which are peculiar to all the Upper Lakes, remarks:—"As a general thing, fluctua-tions in the barometer accompanied the fluctuations in the level of the water, but sometimes the water-level varied rap in the harbor, while no such variation occurred in the barometer at the place of observation. The variation in the level of the water may be caused by varied barometrio pressure of the air on the water, either at the piace of observation, or at some distant point. A local in-creased pressure of the atmosphere at the place of observation, would lower the water-level where there is a wide expanse of water; or a diminished pressure, under the same circumstances, would cause the water to rise above its usual level."

In the summer of 1854, according to the Report of Foster and Whitney, made to Congress in 1850, "an extraordinary retrocession of the waters took place at the Saut Ste Marie. The river here is nearly a mile in width, and the depth of water over the sandstone rapids is about three feet. The phenomena occurred at noon; the day was caim but cloudy; tho water retired suddonly, leaving the bed of the river bare, except for the distance of about twenty rods where the channel is deepest, and remained so for the space of an hour. Persons went out and caught fish in the pools formed in the rocky cavities. The return of the waters was sudden, and presented a sublime spectacle. They came down like an immense surge, roaring and fosming, and those who had incantiously wandered into the river bed, had barely time to oscape being over-whelmed."

Rising and Falling of the Waters of Lake Michigan.

[From the Chicago Tribune, May 29, 1861.]

One of those singular oscillations in the | the current between the outer and inner Lakes, or "Inland Seas," which have breakwater, near the Illinois Central Railbeen observed occasionally from the time road House, was so great at times that a of the exploration of the Jesuit Fathers, was witnessed yesterday in Lake Michigan. A variety of signs, such as the mirage of the distant shore, unusual depression of the barometer, and a sudden rise of the temperature from a cool, bracing rise or the temperature from a cool, bracing air, to a sultry heat, indicated an unusual commotion in the atmospheric elements. About eleven c'clock A. M., when our attention was first called to the phenomena, the waters of the lake had risen about that the contract of thirty-one inches above the ordinary level, and in the course of half an hour they again receded. Throughout the whole day they continued to ebb and flow at in-tervals of fifteen or twenty minutes, and

row-boat made little or no headway against it. The extreme variation between high and low water was nearly three feet. The wind all day was off shore (from the southwest), the offect of which was to southwest), the offect of which was to keep down the waters instead of accumulating them at this point. About eight o'clock in the evening it veered suddenly to the northwest, and hiew a violent gale, accompanied by vivid electrical displays. This morning (Monday) we hear of telegraphic lines prostrated, of persons killed by lightning, &c., while the lake, sithough agitated, exhibits none of the pulsations of yesterday.

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1854, according to and Whitney, made and Whitney, made "an extraordinary ters took place at The river here is, and the depth of one rapida is about somena occurred at Im but cloudy; the ly, leaving the bed upt for the distance where the channel where the channel ed so for the space vent out and caught d in the rocky cavihe waters was sudaublime spectacle. an immense surge, and those who had into the river bed,

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Extract from the Annual Report of the Trade and Commerce of Buffalo,



In presenting to the public our Annual Review of the Trade and Commerce of Buffalo, for the last year it will not be mappropriate to revert to the past to show the rise and progress, the extent and growth of the commerce of these vast 'Inland Seas.'

"When in the year 1679, the Chevalier de La Salle obtained permission of the Seneca Indians to build a vessel at Cayuga Senece Indians to build a vessel at Caynga Creek; six miles above Niagara Falls, which was launched in 1679, and was the first vessel moved with sails upon the waters of Lake Erie, every portion of the great West was covered with its ancient forests. The echoing axe had never rung through their solitudes, and the battle for mastery was yet undecided between the wild beast and his wild foe the savage hunter. The three guns which were fired when the '(GRIFFIT' was launched, were probably.' was launched, were probably. GRIFFIN' was launched, were, probably, the first sounds of gunpowder that ever broke upon the stillness of this vast region. The wondering Senecas heard in them the thunders, and saw the lightnings of heaven. The white man was equally an object of admiration and fear.

"The arts of navigation, at this period,

upon this great inland sea, were confined to the bark cance and the rude paddle with which it was propelled. Never before had the canvaa here opened itself to the wind. The voyage of La Salle was an era in the history of this portion of the world. The immense for trade with the natives at the extremities of these lakes, which was carried on first by the French and afterward by the English, was then and afterward by the English, was then almost entirely unknown. It was but the year before the sites of the first tradinghouses had been selected. La Salle set sail from the foot of Lake Erie, on the 7th day of August, 1673, with a crew of thirty men, and arrived at Mackinac on the 28th day of that month. The first cargo of furs was put on board the Griffin, and she was ordered by La Salle to return with a crew of six men to Niagara. But a storm was encountered, 2:1d the vessel and cargo, valued at fifty to sixty thousand francs, valued at fifty to sixty thousand francs,

valued at fifty to sixty thousand francs, with all on board, was lost. Thus was made the first great sacrifice of life and property to the commerce of Lake Erie. "Since that period the changes that have been wrought in the country bordering upon and lying beyond these lakes, surpass the dreams of enchantment. Enterprise and energy have penetrated those wast solitudes; the beasts of prey have slunk back into the deep fastnesses of the woods, the native tribes have vanished away like their own majestic forests, and the white man following fast upon their rustling footsteps, has subdued the wilderness to the forms of civilization.

Detroit, and Mackinac, including a large portion of Ohio, Indiana, Illinois, Michigan, and Wisconsin, now contains a population of 6,926,874. Since the day when La Salle first opened, as it were, to future

"In March, 1791, Col. Thomas Proctor generations the great highway upon the waters of Lakes Erie and Huron, the progenitors of this mighty multitude have been borne upon its warrant to the second that the second en borne upon its waves by favoring winds; and innumerable little bands gain-ing the mouth of some fair river, have thence radiated over the wide-apread domain from which their descendants are now pouring down upon the trusting bosom of the lake, the abundant products of an almost inexhaustible fertility.

reat as has been the change since the country was first explored, it has althe country was first explored, it has almost wholly taken place since the year 1800. The population of Ohio in that year was only 45,365; and that was the only State, with the exception of New York and Pennsylvania, of all those bordering upon the great takes, which contained any considerable settlements, or in which any enumeration of the people was taken. Even Ohio was not then admitted into the Union; and the commercial advantage the Union; and the commercial advantage of Lake Eric were scarcely begun to be developed till twenty-five years afterward. The first vessel bearing the American flag upon Lake Eric was the sloop Detroit, of seventy tons, which was purchased of the Northwest Fur Company, by the General Government, in 1796. She was, however, soon condemned as unseaworthy, and abandoned. Up to the time of the decla-ration of war in 1812, the whole number of versels of all descriptions on these lakes, did not exceed twelve, and these were employed either in the fur trade, or in transporting to the West such goods and merchandise as were required for the scattered population that had found their way there. A few vessels were built dur-

"In March, 1791, Col. Thomas Proctor visited the Senecas of Buffalo Creek, and from him the first authentic notice of Buf

from him the first authentic notice of Buf falo is given. He mentions a storehouse kept by an Indian trader named Winne, at Lake Eric.

"In June, 1795, a French nobleman, named La Rochefoucauld Liancourt, visit-ed Buffalo and the neighboring Indian vil-lages. At this place there were then but few houses. He mentions an Inn where he was obliged to sleep on the floor in his clothes.

companied by Judah Colt, went to Presque Isle, now Brie, through Buffalo. Judge asie, now Eric, through Burado. Judge Porter makes mention 'that one Johnson, the British Indian interpreter, Winne, the trader, and Middaugh, a Dutchman, with his family, lived at Buffalo.' The only road between Buffalo and Avon, in the year 1797, was an Indian trail, and the only house on this trail was one, about one and one-half miles east of the present only house on this trail was one, about one and one-half miles east of the present village of Le Roy, occupied by a Mr. Wilder. As late as 1812 the roads were next to impassable, and to obtain supplies from Albany, trade was carried on by a circuitous route, 'through the Niagara river to Schlosser, thence by portage to Lewiston, thence by water to Oawego and up the Oswego River, through the Oneida Lake and Wood Creek, and across a short portage to the Mohawk River, thence by that river and around the portage of Little Falls to Schenectady—and thence over the arid pine plains to Al'any.' The late Judge Townsend and George Cott, Esq., came to Buffalo as traders, in 1811 by this route, bringing about twenty tons of mechandise from Albany at a cost of fifty dollars a ton. At this time there were less than one hundred dwellings here, and ing the war, but, probably, as many or dollars a ton. At this time there were more were destroyed. And during the less than one hundred dwellings here, and three years of its continuance, as all emi-the population did not exceed five hus-

frequences across then at Bi To re by the it was a pier was d subsc lagers The l origin bar. bar. capaci mud-s The f Was I incorp and as last ce in 181 In 18 1830, 18,213 in 180 year l this verte of the resin 186

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Col. Thomas Proctor thentic notice of Buf entions a storehouse rader named Winne.

a French nobleman, auld Liancourt, visit-sighboring Indian vil-there were then but ntions an Inn where

5, Judge Porter, ac-Colt, went to Presque ugh Buffalo. Judge terpreter, Winne, the h, a Dutchman, with Buffalo.' The only lo and Avon, in the Indian trail, and the trail was one, about es east of the present occupied by a Mr. 1812 the roads were and to obtain supplies was carried on by a hrough the Ningara

hrough the Ningara thence by portage to water to Oswego and r, through the Oneda ek, and acrose a short twk River, thonce by the portage of Little—and thence over the Al'.any.¹ The late deerge Coit; Esq., aders, in 1811 by this t twenty tons of mermy at a cost of fifty this time there were to dwellings here, and not exceed five hus-

dred. The mouth of Buffalo Creek was then obstructed by a sand-bar, frequently preventing the entrance of small vessels, and even frail Indian bark canoes were frequently shut out, and footmen walked across its mouth on dry land. Vessels then received and discharged their cargoes at Bird Island wharf, near Black Rock.
To remedy the obstructions in the creek
by the sand-bar at its outlet into the lake, by the sand-har at its outset into the lake, it was proposed, in the year 1811, to run a pier into the lake, but nothing of moment was done till the spring of 1820, when a subscription was raised, by the then villagers of Buffalo, amounting to \$1,361. The late Hon. Samuel Wilkson was the The late Hon. Samuel Wilkson was the originator and projector of this movement, and temporary improvements were made which carried away the obstructing sandbar. In 1822 the village in its corporate capacity paid John T. Lecy for building a mud-scow for working in the harbor \$534. The first corporate notico of the harbor was made in the latter year. Buffalo was Incorporated as a village in April, 1813, and as a city on 20th of April, 1832. "Melish says, 'the population by the last census was 365, and it was computed in 1811 at 500, and is rapidly increasing.' In 1825 the population was 2,412; in

in 1811 at 500, and is rapidly increasing.' In 1825 the population was 2,412; in 1830, 8,663; in 1835, 15,661; in 1840, 18,213; in 1845, 29,973; in 1850, 42,261; in 1860, 81,129; and at the end of the year 1862 the population is estimated at over 100,090. In 1817 the taxable property of the village was \$134,400, and on this valuation an assessment of \$400 was made during that year. The valuation of the real and personal property of the city in 1862 is \$30,011,014.

"The population and valuation of property of the city in 1862 is \$30,011,014.

"The population and valuation of property, the harbor and harbor improvements, the manufactures and commerce, the canal, railway, and water connections by lake with other portions of the country, the population and productions of the West and Northwest, the large lake, canal, and railway facilities for transportation at

The mouth of Buffalo Creek was betructed by a sand-bar, frequently what they were fifty years ago, 'are marning the entrance of small vessels,' vellous in our eyes,' and if some far-seeing mind, a half century since, had prophesied results of such vast magnitude, he would have been denominated an idle dreamer. and a fit subject for a lunatic asylum.

"The States and Territories bordering

on, and tributary to the great lake basin that had fifty years ago but a few thousand that had fifty years ago but a few thousand population, have now nearly seven millions, which will soon be augmented by the natural increase and by immigration to thirty millions, and Buffalo with its 500 inhabitants in 1811, 81,000 in 1860, will have a population of three or four hundred thousand before the present century shall have passed away. Within the limits of these lake States, where, less than forty years ago, there were neither canals forty years ago, there were neither canals nor railways, there are now 14.484 miles of railway, and 3,345 miles of navigable canals, of which latter about 760 miles are slack-water navigation.

"The whole West and Northwest is

"The whole West and Northwest is now traversed by a network of railways, with important canal connections between the different States, where there was a sparsely populated, almost interminable forest or uninhabited prairie. In this march of improvement, making more intimate the social and commercial relations of these widely separated sections of the country, the Empire State has nobly led the way. The far-seeing mind of her honored son, Governor Clinton, projected the Eric Canal, which was completed in 1925, uniting the waters of the Hudson with the lakes. A brighter day then dawned upon the West, the population was rapidly augmented, which was soon succeeded by largely increased agricultural productions that gave new life to commerce. The era of railways was commenced in about the year 1830.

"With these largely increased rail facilities, and the capacity of the New York canals nearly quadruplad, the augmenting now traversed by a net-work of railways,

facilities do not keep pace with the rapidly augmenting population and largely increased production. Improved charuels of communication, both by rail and water, must be made, to enable the producer at the bottom and seventy feet at the top, with seven feet of water, with locks 18 must be made, to enable the producer at the West to get his products more cheaply to market. A country vast in extent, bordering upon the upper Mississippi, the Ohio, Cumberland, Tennessee, Arkansas, Red, and Missouri rivers and their tributaries, and the Red river of the North, traversed by more than twenty thousand miles of navigable waters, will soon be donsely peopled; new States to the west steamboats from St. Paul could navigate miles of navigable waters, will soon be densely peopled; new States to the west of those already admitted will soon knock for admission into the Union; the supera-bundant products of an almost inexhaust ible fertility will be pouring over the lakes and railways, and through the rivers and canals, imparting activity to trade, giving life, strength and vital energy to the largenie, strength and vital energy to the large-paymenting commerce of the West. As the star of empire westward wends its way, widening the distance from the great see-board marts of trade, the prospective wants and increased productions of scores of millions of scores will from nacessity. of millions of people will from necessity create cheaper and more expeditious facil-ities for the transportation of their surplus products to market. There is no country on the face of the globe that has so many natural advantages for a large and extended internal trade as the great West and

"The great basin east of the Rocky Mountains is drained by the Mississippl and Missouri Rivers and their tributaries, and Missouri Rivers end their tributaries, and their waters find an outlet in the Gulf of Mexico... The great lakes, having an area equal to one twenty-fifth part of the Atlantic Ocean, are drained by the river St. Lawrence, and find an outlet in the Gulf of St. Lawrence. The construction of a few miles of canal makes a navigable connection from the ocean to the great obain of lakes. These natural additional contents of the content of th

Northwest.

Stone Leke to Lake Traver in minusous, steamboats from St. Paul could navigate both the Minnesotz river and the Red river of the North to Lako Winnepeg, a river of the North to Lako Winnepeg, as the saven hundred miles. The river of the North to Lake Winneyer, a distance of seven hundrod miles. The country traversed by these rivers is sur-passingly fertile and capable of sustaining a dense population. Lake Winneyer is larger than Lake Ontario, and receives the Sas-katch-e-wan river from the West. The Sas-katche-wan river is navigable to a point (Edmonton House) near the Rocky Mountains, seven hundred miles west of Lake Winnepeg, and only 150 miles east of the celebrated gold diggings on Frazer river in British Columbia. The digging of that one mile of canal, would, therefore, enable a steamboat at New Orleans to pass into Lake Winnepeg and from thence to Edmonton House, some 5,000 miles. A move has already been made for constructing this abort canal. By enlarging the Illinois and Michigan canal and improving the navigation of the Illinois river, and improving and completing the slack water navigation of the Fox river in Wisconsin, connecting Green Bay The Sas-katch-e-wan river is navigable to and their waters find an outlet in the Gulf of Mexico. The great lakes, having an area equal to one twenty-fifth part of the Atlantic Ocean, are drained by the river St. Lawrence, and find an outlet in the Gulf of St. Lawrence. The construction of a few miles of canal makes a navigable connection from the ocean to the great chain of lakes. These natural advantages have been improved to some extent in the United States by the construction that the United States by the construction from the construction of a few miles of canal makes a navigable connection from the Canada into the great lakes, and from the construction of the Fox river in Wisconsin, connecting for the New York or the Gulf of St. Lawrence, and from New York or the Gulf of St. Lawrence and makes a navigable connection from the Canada into the great lakes, and from the construction of the Fox river in Wisconsin, connecting from the Tusting the Canala from New York or the Gulf of St. Lawrence, either through the canals of New York or Canada into the great lakes, and from the Canada into the great lakes and from the Canada into the great lakes and from the Canada into the great lakes and

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gh the State of New a prism forty-five feet venty feet at the top, vater, with locks 18 by 100 feet long, one hundred miles one hundred miles Illinois river with lago, and slack water green Bay, Wisconsippl river. By the p canal about three-n length, from Big Traver in Minuesota, Paul could navigate river and the Red o Lake Winnepeg. a nundred miles. The undred miles. The capable of sustaining Lake Winnepeg is tario, and receives the tario, and receives the err from the West. river is navigable to couse) near the Rocky noired miles west of only 150 miles east id diggings on Frazer umbia. The digging canal, would, thereboat at New Orleans boat at New Orleans
Winnepeg and from
House, some 5,000
s already been made
short canal. By enand Michigan canal
avigation of the Illioving and completing vigation of the Fox connecting Green Bay i river, and still fur-nain trunk of the New ters could be passed the Gulf of St. Law-

h the canals of New the great lakes, and Missouri, the Yellow come 5.000 to 6,000

miles. The ocreal product of the States bordering on and tributary to the lakes was 267,295,877 bushels in 1840; 434,-862,861 bushels in 1850, against 879,031,-559 bushels in 1860, and the population of these States has kept pace with their cereal products, being 6,269,345 in 1840; 9,178,003 in 1850, against 13,355,093 in 1860, an increase of nearly fifty per cent. In population and cereal products in each decade. If the same rate per cent. of increase in population and cereal products shall be continued, these States in 1870 will have a population of 20,032,639, with whall be continued, these States in 1870 will have a population of 20,032,639, with a cereal product of 1,009,557,338 bushels; in 1880, a population of 30,048,958, with a cereal product of 1,512,821,000 bushels; in 1890, a population of 55,073,437, with a cereal product of 2,259,231,510 bushels, and in 1900 a population of 67,610,155, with a cereal product of 3,403,847,265.

"The grain trade of Buffalo for a series of years given in this report, has already reached upwards of 72,000,000 bushels for the year 1862. If a crop of 680,000,000

reached upwards of 72,000,000 bushels for the year 1862. If a crop of 880,000,000 of bushels of cereal products, gives Buf-falo 72,000,000 of bushels of that crop; in the year 1900, with a crop of 3,003, 647,255 bushels of cereal products, the grain trade of Buffalo will be upward of 360,000,000 of bushels. The calculations of the forty years of the future are based on the actual results of the last thirty years. The year 1870 will give to Buffalo a grain trade of upwards of 107,000,000 of bushels, and if there shall be a propor-tionate increase in the grain trade of of bushels, and if there shall be a proportionate increase in the grain trade of Oawego, the present capacity of the New York canals will be entirely inadequate to pass through them this large amount of grain in addition to the large increase in the tonnage of other commodities, saying nothing of the capacity that will be required for the augmented business in 1880, 1890, and 1900."

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The First Steamboat on ... Lake Eric.

The Detroit Tribune furnishes some inthe Detroit Priores lumines some in-teresting extracts on this subject, taken from the files of the Detroit Gazette, of 1818. We select the following descrip-tion of the reception of this monster of the great deep by the "Wolverines" of that

day. "August 26, 1818:—Yesterday, between the hours of 10 and 71 A. M., the clegant steamboat Walk-in-the Water, Capt. J. Fish, arrived.—As she passed the public wharf, and that owned by Mr. J. S. h. Roby, she was cheered by hundreds of the inhabitants, who had collected to witness this (in these waters) truly novel and symarf. She left Buffalo at half-past 1 o'clock on the 23d, and arrived off Dunkirk at 35 minutes past 8 on the same day. On the next morning she arrived at Eric, Capt. Fish having reduced her of the standard tween the hours of 10 and ?1 A. M., the elegant ateamboat Walk-in-the-Water, Capt.

their astonishment by repeated shouts of 'Tai-yoh niches.' A report had been circulated among them, that a 'big cance' would soon come from the noisy waters, which, by order of the great father of the merely tolerable, but truly pleasant. To-Cho-mo-ko-moms, would be drawn through the lakes and rivers by stargeon! Of the truth of the report they are now perfectly satisfied. The cabins of this boat are fitted up in a neat, convenient, and

TABLE.

EXHIBITING THE TONNAGE of the several Lake Districts in the United States, on the 30th June, 1866.

DISTRICTS.	State.	Lakes, &c. Champlain	Total Tonnage.
Burlington	Vermont	Champlain	2.946
Champlain.	New York		6,131
Oswego		Ontario	93.512
Niagara	44	4	2,588
Jenesee		4	1,725
Oswegatchie	4	St. Lawrence River	2,025
Buffalo		Erie	
Dunkirk		"	
Crie	Fennsylvania		8,730
hivshors (Cleveland	Ohio.	44	52,629
andusky	44	4	13,000
Coledo			11.691
Tetroit	Michigan	Detroit Diver	79.620
Vackingo		Huron	1,392
Milwankoo	Wisconsin	Michigan	24,616
Thioson	Illinois		86,685
The state of the s		•••••	90,000
Total I	ake Tonnage		482,478
meers Matal Ponne	es in the United St.	<i>j</i> .	9 200 100

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from them them them them through through through through through them through them through them through them through the through them through the through through the through through the through through the thro

the manner in which ionor to the proprie-mander. A passage and Buffalo is now not and Bunaio is now not t truly pleasant. To-trip to Leke St. Clair, of ladies and gentle-e for Bunalo to-mor-expected to visit us

in the United States,

Total Tonnage. rer... 2,946 6,131 93,512 2,588 1,725 2,667 8,730 52,529 13,000 11,691 72,638 1,392 24,616 86,685 482,478 8,868,479

total ods Klagara. arst object esse, Jule Post of ti way you paround

RAILROAD AND STEAMBOAT ROUTES From Buffalo to Niagara Falls, Toronto, etc.

read to a second the second



THE most usual mode of conveyance THE most usual mode of conveyance from Buffalo to the Falls of Niegara, and thence to Lake Ontario, or into Canada, is by the Buffalo, Nidgara Falls and Lewiston Railroad, 28 miles in length. It runs through Tonswanda, 11 miles; Niagara Falls, 22 miles; Suspension Bridge, 24 miles, connecting with the Great Western Railway of Canada, and terminated at Lewiston, the head of navigation on Niagara River, 28 miles.

government have recently erected for the protection of the river and the city of Buffalo.

WATERLOO, C. W., three miles below Buffalo and opposite Black Rock (now a part of Buffalo), with which it is connected by a steam-ferry, is handsomely situ ated on the west side of Niagara River, which is here about half a mile wide. The Buffalo and Lake Huron Railroad runs from Fort Erie, near Waterloo, to Paris, C. W., where it connects with the Great Western Railway of Canada. It is now Western Railway of Canada. It is now completed to Goderich, C. W., lying on Lake Huron.

a Lake Huron.

GRAND ISLAND, belonging to the United States, is passed on the right in detection of the desired states, is passed on the right in detection of the mainland. This island obtained great notoriety in the fall and winter of 1837-18, when it was occupied by the "Patriots," as they were styled, during the troubles in Canada. The Steamer Caroline was destroyed on the night of December 29th, 1837, while lying at Schlosser's Landing, on the American shore, having been engaged in transporting persons to and from the island, which was soon after evacuated.

Opposite Navy Island, on the Canada Railway of Canada, and terminated at Lewiston, the head of navigation on Niagara River, 28 miles.

American and Canadian steamers of slarge class leave Lewiston several times desily, for different ports on Lake Ontario and the St. Lawrence River.

There is also another very desirable mode of conveyance, by Steamboat, descending the Niagara River, from Buffalo to Chippewa, C. W., thence by the Eric and Ontario Railroad, 17 miles in legeth; passing in full view of the Falls, to the Clifton House, three miles below Chippewas, C. W., thence by the Eric and Ontario Railroad, 17 miles in legeth; passing in full view of the Falls, to the Clifton House, three miles below Chippewas, C. W., thirty-five miles from Buffalo.

As the steamboat leaves Buffalo, on the latter route, a fine view may be obtained of Lake Erie and both shores of Niagara River. On the Canada side, the first objects of interest are the ruins of old Foar Ears, captured by the Americans, July 3d, 1814. It is situated at the foot of the lake, opposite the site of a strong fortress which the United States

creek of the same name, which is navigable to Port Robinson, some eight or ten Falls, and altusted on Lundy's Lane, is miles west; the latter place being on the celebrated as the scene of another sanline of the Welland Canal. The village of guinary engagement between the Ameri-Chippewa contains a population of about 1,000 souls. Steamboats and lake craft 1,000 souls. Steamboats and lake crait of a large size are built at this place for the trade of Lake Erie and the Upper Lakes. It has obtained a place in history on account of the bloody battle which was fought near it in the war of 1812, between the United States and Great Britain. The battle was fought on the 5th of July, 1814, on the plains, a short distance south of the steamboat landing. The American forces were commanded by Major-General Jacob Brown, and the British, by Major-General Riall, who, after an obstinate and sangulnary fight, was defeated, with considerable loss

At Chippewa commences the railroad extending to Niagara, at the mouth of the river, a distance of 17 miles. Steamboats continue the line of travel from both ends

continue the line of travel from both ends of this road, thus furnishing an interesting and speedy conveyance between Lakes Krie and Ontario.

On ariving in the vicinity of the FALLS of NIAGARA, the cars stop near the Clifton House, situated near the ferry leading to the American side. The site of this house was chosen as giving the best view of both the American and Canadian or Horse-Shoe Falls, which are seen from the plazzas and Falls, which are seen from the piazzas and front windows. This is the most interest-ing approach to the Falls. In addition to the Falls, there are other

points of attraction on the Canada side of the river. The collection of curiosities at the Museum, and the Camera Obscura, which gives an exact and beautiful, though miniature image of the Falls, are well wormlies above the Falls, are well wormlies above the Falls, in also much frequented; and the rides to the battle-grounds amounting altogether to about 5,000 strong, ceased the deadly conflict, and for a time the bloody field was left uncoupled, except by the dead and wounded. When the British discovered that the Americans had encamped one or two miles points of attraction on the Canada side of

DRUMMONDSVILLE, one mile west of the guinary engagement between the American and British forces, July 25, 1814.

The following is a brief, though correct account of the engagement: "On the afternoon of the above day, while the American army was on their march from Fort can ermy was on their march from Fort George toward Fort Eric, ascending the wost bank of the river, their rear-guard, under the immediate command of Gen. Scott, was attacked by the advanced guard of the British army, under Gen. Riall, the British having been reinforced after their defeat at Chippewa, on the 5th of the same month. This brought on a general conflict of the most obstinate and deadly character. As soon as attacked, Gen. Scott advanced with his division arounting to about 3.000 As soon as attacked, Gen. Scott advanced with his division, arounting to about 3,000 mon, to the open ground facing the heights occupied by the main British ermy, where, were planted several heavy pieces of cannon. Between eight and nine o'clock in the evening, on the arrivatof reinforcements to both armios, the battle became general and raged for several hours, with alternate success on both sides; each army evincing the most determined bravery and resistance. The command of the respective forces was now assumed by Major Gen. Brown and Lieut-Gen. Drummond, each having under his command a well-discipance. having under his command a well-disci-plined army. The brave (American) Col. Miller was ordered to advance and seize the artillery of the British, which he effected at the point of the bayonet in the most gallant manner. Gen. Riall, of the

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s, one mile west of the on Lundy's Lane, is scene of another sant between the Amerins, July 25, 1814.

a brief, though correct rement: "On the afterday, while the Amerineir march from Fort Eric, ascending the diver, their rear-guard, to command of Gen. by the advanced guard, under Gen. Riall, the a reinforced after their on the 5th of the same to na general conflict e and deadly character. I, Gen. Scott advanced acounting to about 3,000 cund facing the heights in British army, where, il heavy pieces of canta and nine o'clock in rivial of reinforcements battle became general il hours, with alternate des; each army evingmend of the respective issumed by Major Gen. Gen. Drummond, each command a well-discibrave (American) Col. to advance and seize British, which he tof the bayonet in the er. Gen. Riall, of the captured, and the pose-ground contested unwhen 1,700 men being unded, the conflicting altogether to about et the dead and wounded, he discovered that the amped one or two miles en." O le lose,



distant forme most the lata a vict most the lata a vict the lata a vict of the lata of the

the last war; and while each party boasted a victory, altogether too dearly bought, neither was disposed to renew the con-

CLIFTON is a new and flourishing village, situated at the western termination of the

situated at the wostern termination of the Great Western Railway, where it connects with the Supersion Bridge. For description of route to Detroit, &c., see page 50.
QUEENSTON, situated seven miles below the Falls, and about the same distance above the entrance of Niagara Rivor into Lake Ontario, lies directly opposite the village of Lewiston, with which it is connected by a Suspension Bridge 850 feet in length. It contains about 500 inhabitants, 60 dwallings bouses one Kriscopel area. ongch. It contains about 500 inhabitants, 60 dwelling-houses, one Episcopal, one Scotch Presbyterian, and one Baptiat church, four taverns, four stores, and three warehouses. This place is also celebrated as being the scene of a deadly stiff. between the statement of the statem strife between the American and British forces, October 13, 1812. The American forces, October 13, 1812. The American troops actually engaged in the fight were commanded by Gon. Solomon Van Rensselaer, and both the troops and their commander greatly distinguished themselves for their bravery, although ultimately overpowered by superior numbers. In attempting to regain their own side of the river may of the Americans perished; the whole loss in killed, wounded, and prison-ers amounting to at least 1,000 men. Major-General Brock, the British com-mander, was killed in the middle of the fight, while leading on his men. A new

ngnt, while leading on his men. A new monument stands on the heights, near where he fell, erected to his memory. The first monument was nearly destroyed by gunpowder, April 17, 1840; an infamous act, said to have been perpetrated by a person concerned in the insurrection of 1837–38.

BROCK'S NEW MONUMENT WAS commenced in 1853, and finished in 1856; Episcopal, one Presbyterian, one Metho-

distant, they returned and occupied their being 185 feet high, ascended on the informer position. Thus ended one of the side by a spiral staircase of 235 stone most bloody conflicts that occurred during steps. The base is 40 feet square and 35 side by a spiral staircase of 235 stone steps. The base is 40 feet square and 35 feet in height, surmounted by a tablet 35 feet high, with historical devices on the four sides. The main shaft, about 100 feet, is fluted and surmounted by a Corinthian capital, on which is placed a colossal figure of Major-General Brock, 18 feet in height. This beautiful structure cost £10,000 sterling, being entirely constructed of a cream-colored stone quarried in the vicinity. A massive stone wall, 80 feet square, adorned with military figures and trophies at the corners, 27 feet in height, surrounds the monument, leaving space for a grass-plot and walk on the inside of the enclosure.

The following is the inscription:

Upper Canada

Has dedicated this Monument
to the memory of the late E.
Frevisional Control of the Late II.
Frevisional Control of the Forces in this Previsea,
Whose remains are deposited
in the venit beneath
Opposing the invading enemy
He full in action, near, the Heights,
on the 18th October, 1812,
In the 43d year of his age,
Revered and insented by the people
whom he governed, and deplored by
the Sovereign to whose service
His life had been devoted.

The last words of Major-General Brock, when he fell mortally wounded by a musket-shot through the left breast, were, "Never mind, my boys, the death of one man—I have not long to live." Thus departed one of the many noble spirits that were sacrificed on this frontier during the war of 1812.

"The village of Nichary is advantage."

The village of NIAGARA is advantage-ously situated on the Canada side, at the entrance of the river into Lake Ontario, directly opposite Fort Niagara, on the American side. It contains about 3,000 inhabitants, a court-house and jail; one

dist, and one Roman Catholic Church; 6 river, is now in ruins. This was the scene hotels and taverne; and 20 stores of dif- of a severe contest in 1813, in which the ferent kinds; also, an extensive locometive and car factory. This is the most noted place in Canada West for building steamboats and other craft navigating Lake Ontario. Here is a dockyard with a marine railway and foundry attached, capable of making machinery of the largest description, and giving employment to a great number of men. It is owned by the "Niegara Dock Company." Steamers leave daily for Toronto, etc.

FORT GEORGE, situated a short distance south or up-stream from the mouth of the

or a severe contest in 1813, in which the Americans were victorious. A new fort has been erected on the point of land at the mouth of the river, directly opposite old Fort Niagara on the American side. The new fortification is called Fort Massa.

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The whole frontier on the Canada side, from Fort George to Fort Erie, opposite Buffalo, was occupied by the American army in 1814, when occurred a succession of battles of the most determined and brilliant hearter. liant character.

NIAGARA RIVER.

ITS RAPIDS, FALLS, ISLANDS, AND ROMANTIC SCENERY.

"Majestic stream I what river rivals thee, Thou child of many lakes, and sire of one— Lakes that claim kindred with the all-circling

Lakes that claim kindred with the all-circling rear—in Large at thy birth as when thy race is run! Against what great obstructions has thou won Thine august way—the rock-formed mountainplain.
Has opened at thy bidding, and the steep "lars not thy passage, for the ledge in vain Stretches across the channel—thou dost leap Smillinely down the height, and urge again Thy rock-embattled course on to the distant main."

This most remarkable and romantic stream, the outlet of Lake Erie, through which flows all the accumulated waters of the Upper Lakes of North America, very appropriately forms the boundary between two great countries, the British province of Upper Canada on the one side, and the State of New York, the "Empire

this channel is immense; from a computation which has been made at the outlet of Lake Erie, the quantity thus discharged is about twenty millions of cubic feet, or upwards of 600,000 tons per minute, all of which great volume of water, 20 miles below, plunges over the Falls of Niagara.

The Niagara River commences at Bird Island, nearly opposite the mouth of Buf-falo harbor, and passes by the site of old Fort Erie and Waterloo on the Canada aide. At the later place a steam ferry-boat plies across the river to Black Rock, now forming a part of the city of Buffalo. It is here proposed to construct a railroad bridge across the stream, about 1,800 feet in width.

SQUAW ISLAND and STRAWBERRY ISLAND and the State of New York, the "Empire are both small islands lying on the Amerostato" of the Union, on the opposite side.

In its whole course, its peculiar character is quite in keeping with the stupendous Cataract from which its principal interest is derived.

The amount of water passing through are both small islands lying on the AmerThis was the scene 1813, in which the rious. A new fort he point of land at er, directly opposite the American side. s called Fort Massa-

on the Canada side, Fort Erie, opposite by the American curred a succession letermined and bril-

the Cataract.

CAYUGA ISLAND and BUCKHORN ISLAND are small bodies of land belonging to the United States, situated immediately be-low Grand Island.

NAVY ISLAND, lying opposite the vil-lage of Chippewa, 18 miles below the head of the river, is a celebrated laland head of the Canadians, having been taken possession of by the sympathizing patriets in 1837, when a partial rebellion occurred in Upper and Lower Canada.

Tonawanda, 11 miles below Buffalo, is situated at the mouth of Tonawanda Creek, opposite Grand Island. The Eric Ganal here enters the creek, which it fol-lows for several miles on its course to-ward Lockport. A railroad also runs to Lockport, connecting with the New York Central Railroad, extending to Albany. A ship canal is proposed to be constructed from Tonswands to some eligible point on Lake Ontario, thus forming a rival to the Welland Canal of Canada.

the Welland Canal of Canada.

SCHLOSSER'S LANDING, two miles above
Niagara Falls village, is a noted steamboat landing, cpposite Chippewa, from
whonce the steamer Carotine was cut
adrift by the British and destroyed, by
being precipitated over the Falls during
the Canadian rebellion, December 29th,

THE RAPIDS .- Below Navy Island, be-

N. Y., is a large and important body of land, about ten miles long from north to south, and seven miles wide. This island is partly cleared and cultivated, while the larger portion is covered with a large growth of oaks and other forest trees.

The ship or steambest changed with the covered wit

The ship or steamboat channel runs At the commencement of the Rapids. The ship or steamboat channel runs along the bank of Grand Island to nearly opposite Chippewa, where the whole stream unites before plunging over the Kalls of Niagara, being again separated at the head of Goat Island. From this point the awes-truck traveller can scan the quiet waters above, and the raging rapids below, preparing to plunge over the Cataract. "the bed of the river declines, the channel contracts, numerous large rocks heave up the rolling surges, and dispute the passage of the now ragin, and foaming floods. The mighty torrent leaping down tiooda. The mighty torrent leaping down successive ledges, dashing over opposing elevations, hurled back by ridges, and repelled from shores and islands—plunging, boiling, roaring—seems a mad wilderness of waters striving against its bettor fate, and hurried on to destruction by its own blind and reckless impetuosity. Were there no cataract, these Rapids would yet make Niagara the wonder of the world."

IRIS. OF GOAT ISLAND, commences near

IRIS, OF GOAT ISLAND, commences near Inis, or Goar Island, commences near the head of the Rapids, and extends to the precipice, of which it forms a part, separating the American Fall from the Canadian or Horse-Shoe Fall. It is about half a mile in length, eighty rods wide, and contains oversixty acres of arable land, and contains over sixty acres of arable land, being for the most part covered with a heavy growth of forest trees of a variety of species, and native plants and flowers. A portion of the laland, however, has been cleared off, and a garden enclosed, in which are some excellent fruit-trees, and a variety of native and foreign plants and flowers, and a fish-pond. The island to remerically cool, and a magnetic plants and a proper species of the second of the secon and flowers, and a fish-pond. The sland is remarkably cool, shady, and pleasant, and is an object of uncoasing admiration from year to year. Comfortable seats and arbors are placed at the most interesting points, where the visitor can sit at ease and enjoy the beautifal and sublime views presented to his sight—often entranced by a deafening roar of mighty waters in their descent, accompanied by changing rainbows of the most gorgeous description.

KRY. se; from a compumade at the out-

quantity thus disty millions of cubic 600,000 tons per great volume of plunges over the commences at Bird the mouth of Bufs by the site of old

loo on the Canada lace a steam ferry-river to Black Rock,

the city of Buffalo.

construct a railroad

m, about 1,800 feet TO A WREPPRY TATAND lying on the Amerm, near the head of ver is here used in il, a pier extending ird Island, forming sek Rock Harbor.

ched to Eife Co.;

Niagara.

WRITTEN BY LYDIA H. SIGOURNEY.

Flow on forever, in thy glorious robe Of terror and of beauty; God hath set His railbow on thy forehead, and the cloud Manules around thy feet, and His doth give Thy voice of thunder power to speak of Him Eternsily; bidding the lip of man Keep silence, and upon the rocky altar Pour incense of awe-struck praise.

GOAT ISLAND BRIDGE .- The Niagara Falls Gazette gives the following description of this new structure:

"This bridge across the east branch of the Nisgara River is situated in the Rapids, about sixty rods above the Cataract, on the site of the old wooden bridge. It is 360 feet long, and consists of four errises of ninety feet span each, supported be-tween the aboutments of three piers. The piers above water are built of heavy out stone, and are twenty-two feet long and six feet wide, tapering one foot in the height. The foundations are formed of foot-square oak timber, strongly framed and bolted together in cribs, filled with stone, and covered with timber at the surface of the water. These timber-foundations are protected against wear and injury from ice by heavy plates of iron, and be-ing always covered with water, will be as durable as the stone.

"The superstructure is of iron, on the plan of Whipple's iron-srched bridge. The whole width is twenty-seven feet, The whole width is twenty-seven reet, affording a double carriage-way of sixteen and a half feet, and two foot-ways of five and a fourth feet each, with iron railings. The arches are of cast iron, and the olords, suspenders, and braces of wrought iron. All the materials used in the construction are of the best quality, and the size and strength of all the parts for

tic river in the midst of the rapids, and overlooking the cataract, is worthy of the site it occupies and affords another instance of the triumph of human ingenuity over the obstacles of nature.

"The islands connected by this bridge with the American shore are the property of Messrs. Porter, and constitute the most interesting features in the scenery sur-rounding the cataract. This bridge has been erected by them to facilitate com-munication with these interesting locali-

munication with these interesting it can-ties not otherwise accessible."

This is a toll-bridge, every foot passen-ger being charged 25 cents for the season, or single crossing.

There are upward of thirty islands and islets in the Niagara River or Strait, above the cataract. Most of those not described are small, and scarcely worthy of enumer-ation, although those immediately contigu-ous to Gost Island form beautiful objects in connection with the rushing and mir in connection with the rushing and mir', waters by which they are surrounded. Bath Island, Brig Island, Chapin's Island, and Bird Island, all situated immediately above the American Fall, are reached by bridges.

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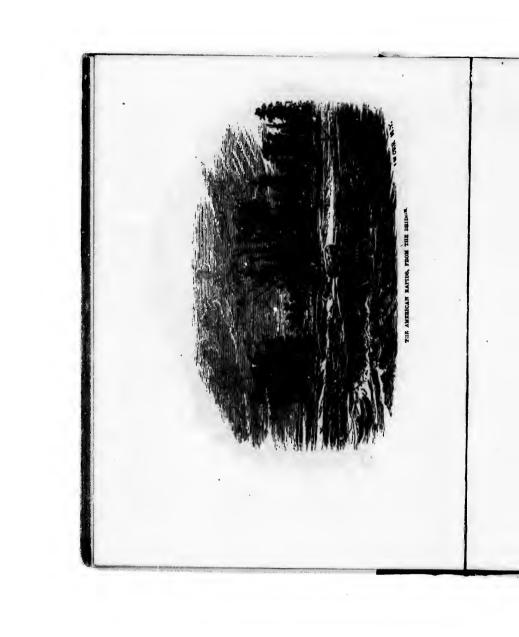
bridges.

When on Gost Island, turning to the right toward the Falls, the first object of interest is Hogg's Back, a point of land facing the American Fall,—Bridge to Adington Island immediately above the Cave of the Winda, 160 feet below. Sam. Patch's Point is next passed on the right, from which he took a fearful leap some years since. Biddle's Stairs descend to the water's edge below and the Cave of the Winds, which are annually visited by thousands of visitors. Terrapin Bridge and Torrapin Tower afford a grand view of the Canadian or Horse-Shoe Fall and Rapids above the Falls. Three Sister Islands are contiguous to Goat Island, on the struction are of the best quality, and the Rapids above the Falls. Three Sister Islaize and strength of all the parts far lands are contiguous to Goat Island, on the beyond what are deemed necessary in American side. Passing around Goat Islandies exposed to the severest tests.

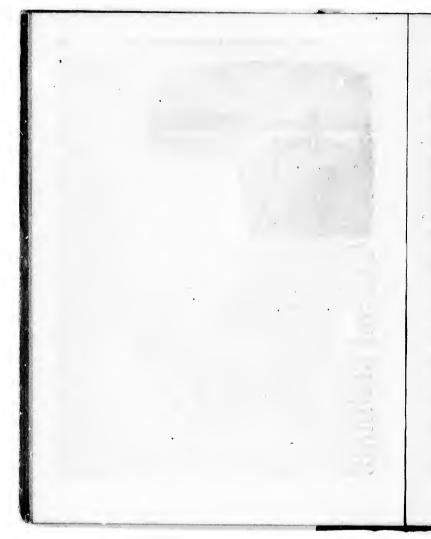
"This substantial and beautiful structure, spanning a branch of this majes- Canadian and American Falls. of the rapids, and it, is worthy of the affords another in-fluman ingenuity ature. cted by this bridge re are the property constitute the most the scenery sur-This bridge has to facilitate com-interesting locali-ssible." every foot passen-ents for the season,

thirty islands and ver or Strait, above hose not described worthy of enumerandiately contiguan beautiful objects ushing and mir' y y are surrounded. d. Chapin's Island, usted immediately all, are reached by

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on the right, from
ul leap some years
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and the Cave of
annually visited by
Terrapin Bridge
ford a grand view
orse-Shoe Fall and
Three Sister IslGoat Island, on the
ug around Goat Islug around Goat Islug around Goat Islug around Goat Islug around show is
d rapids above the
a Falls.







No the ing differ that for a throof a neighbolic that fies a water a summer of the catalant be no much in the is the state of the catalant and the catalant and



Niagara is a word of Indian origin-Niegara is a word of Indian origin—
the orthography, accentuation, and meaning of which, are variously given by
different authors. It is highly probable
that this diversity might be accounted
for and explained by tracing the appellation
through the dialects of the several tribes
of aborigines who formerly inhabited the
entirchering country. There is access to

of aborigines who formerly inhabited the neighboring country. There is reason to believe, however, that the etymon belongs to the language of the Iroquois, and signifies the "Thunder of Waters."

"When the traveller first arrives at the cataract he stands and gazes, and is lost in admiration. The mighty volume of water which forms the outlet of the great Lakes Superior, Michigan, Huron, and Grie, is here precipitated over a precipies 60 feet high, with a roar like that of funder, which may be heard, in favorable circumstances, to the distance of fifteen miles, though, at times, the Falls may be nearly approached without perceiving

what is called the Herse-Shoe Fall, which name has become inappropriate, as the edges of the precipice have ceased to be a curve, and form a moderately acute angle. Near the mid-dle of the fall, Goat

brow of the precipice, dividing the river into two parts; and a small projecting mass of rock at a little distance from it, toward the American shore, again divides the estaract on that side. Gost Island, the cataract on that side. Goat Island, at the lower end, presents a perpendicular mass of rocks, extending from the bottom to the top of the precipice. A bridge has been constructed from the American shore to Bath Island, and another connects the latter with Goat Island, and a tower is erected on the brow of the Horse-Shoe Fall, approached from Goat Island by a short bridge, on which the spectator seems to stand over the edge of the mighty cataract, and which affords a fine view of this part of it. The distance at the fall from the American shore to Goat Island is 65 the American shore to Goat Island is 65 rods; across the front of Goat Island is 73 rods; across the Horse-Shoe, 74 rods, directly across the Horse-Shoe, 74 rods. The height of the fall near the American shore is 163 feet; near Goat Island, on the same side, 158 feet; near Goat Island, on the Canada side, 154 feet. Table Rock, a shelving projection on the Canada side, at the edge of the precipice, is 150 feet high. This place is generally thought to present the finest view of the Falls; though, if the spectator will visit the tower on the opposite side on Goat Island, at sturise, when the whole cavity is enlightthe American shore to Gost Island is 65 teen miles, though, at times, the raus may be nearly approached without perceiving much to indicate a tremendous cataract sunrise, when the whole cavity is enlighting the vicinity. In consequence of a bend in the river, the principal alght of water trembles in the rising spray, he cannot as thrown on the Canadian side, down elsewhere, the world over, enjoy such an

on the American side descends from the top to the bottom of the precipice.

"It has been computed that 100 million tons of water are discharged over the precipice every hour. The Rapids commence about a mile above the Falls, and the water descends 57 feet before it arrives at the cateract. The view from the bridge to Goat Island, of the troubled water dashing tumultuously over the rocks of the American fall, is terrific. While curiosity constitutes an attribute of the human character, these falls will be frequented by admiring and delighted visitors as one of the grandest exhibitions in nature.

"This stupendous Cataract, situated in north latitude 43° 6', and west longitude 2° 6' from Washington, is 22 miles north from the efflux of the river at Lake Erie, and 14 miles south of its outlet into Lake Ontario. The whole length of the river is therefore 36 miles, its general course is a few points to the west of north. Though commonly called a river, this portion of the St. Lawrence is, more properly speaking, a strait connecting, as above mentioned, the Lakes Erie and Ontario, and conducting the superfluous waters of the great ing the superfluous waters of the great seas and streams above, through a broad and divided, and afterward compressed, devious, and irregular channel to the latter lake, into which it empties—the point of union being about 40 miles from the western extremity of Lake Ontario.

"The climate of the Ningara is in the highest degree healthful and invigorating. The atmosphere, constantly acted upon by the rushing water, the noise, and the spray, is kept pure. refreshing, and salu-

spray, is kept pure, refreshing, and salu-tary. There are no stagnant pools or marshes near to send abroad their fetid exhalations and noxious miasmas, poisoning the air and producing disease.

"Sweet-breathing herbs and beautiful

incomparable scene. A covered stairway giant rocks; and luxuriant clusters of firs on the American side descends from the top to the bottom of the precipice.

"It has been computed that 100 million the banks of Niagara. Here are no mosthe banks of Niagara. Here are no mos-quitees to annoy, no reptiles to alarm, and no wild animals to intimidate, yet there is life and vivacity. The meny-hued but-terfly sips ambrosis from the fresh opened honey-cup; birds carol thoir lays of love among the spray-starred branches; and the lively squirrel skips chattering from tree to tree. Varieties of water-fowl, at certain seasons of the year, sport among the rapids, the seagul plays around the precipice, and the eagle—the banner bird of freedom—hovers above the catara. I, plumes his gray pinions in its ourling mists. plumee his gray pinions in its curling mists, and makes his home among the giant firs of its inaccessible islands.

"No place on the civilized earth offers

such attractions and inducements to visitors as Niagara, and they can never be fully known except to those who see and fully known except to those who see and study them, from the utter impossibility of describing such a scene as this wonder-ful cataract presents. When motion can be expressed by color, there will be some hope of imparting a faint idea of it; but until that can be done, Niagara must re-main undescribed."

Cataract of Niagara.

"Shrine of Omnipetence! how vast, how grand, liow awful, yet how beautiful thou art! Pillar'd around thy everlasting hills, Robed in the drapery of descending floods, Crowned by the rainbow, canopied by clouds. That roll in incense np from thy dread base, which is the read that the

Below the Falls, the first objects of inwild flowers spring up spontaneously even terest are the Ferry Stairs and Point View on the sides, and in the crevices of the on the American side; while on the op-

posit to cor inter Ak the drow point quen Th

wher Viage Suspe and Criver, with Th telow The vith a det precip 1759.

precip of in Hole. The the ne Bridge object sized

spread valley ception Blood

force,

The Lewis farthe at clusters of firs trees cover the and overhang lere are no mosptiles to alarm, mldate, yet there many-hued but-the fresh opened leir lays of love branches; and chattering from f water-fowl, at ar, sport among days around the the banner bird we the catarat, its curling mists, ng the giant firs

ized earth offers y can never be ose who see and ter impossibility hen motion can idea of it; but liagara must re-

iagara.

w vast, how grand, il thou art! ng hills, cending floods, nopled by clouds thy dread base, he vast abyss andest, whence asfaker's praise,

st objects of inand Point View posite side is a forry-house and landing, where carriages are usually to be found to convey passengers to the Clifton House, Table Rock, and other places of great interest.

About 30 rods below the Ferry Stairs is the spot where the hermit Abbot was drowned. Half a mile below the latter point is Catlin's Cave, formerly much fre-

The Suspension Bridge, the greatest artificial curiosity in America, is situated two miles and a half below the Falls, where has recently sprung into existence Niagara City, or better known as the Auspension Bridge, on the American side, and Cition on the Canadian side of the

river, here being about 300 feet in width, with perpendicular banks of 325 feet.

The Whirlpool and Rapids, one mile below the Bridge, are terrific sights of great interest, and well worthy a visit.

The Devil's Hole, one mile farther down, it also a sight of the s

The Devil's Hole, one mile farther down, is also a point of great attraction, together vith the Bloody Run, a small stream where a detachment of English soldiers were precipitated in their flight from an attack by Indians during the old French war in 1759. An amphitheatre of high ground spreads around and perfectly encloses the valley of the Devil's Hole, with the exception of a particular again. ception of a narrow ravine formed by Bloody Run—from which, against a large force, there is no escape, except over the precipice. The Ice Cave is another object of interest connected with the Devil's

f. interest connected with the Devil's lole.

The Rapids below the Whirlpool are he next object of attraction; then Queens-m Heights and Brock's Monument on a Canadian side, and the Suspension bridge at Lewiston; altogether forming bjects of interest sufficient to fill a well-like and Table Rock on Canada side.

With the New York and Eric Railroad, and forming with other roads a direct route to Philadelphia, Baltimore, and Washington.

An omnibus line and hacks run vora the village of Niagara Falls to Niagara City, or Suspension Bridge, during the summer months, and thence to the Clifton House and Table Rock on Canada side. the next object of attraction; then Queenston Heights and Brock's Monument on the Ouncaian side, and the Suspension Bridge at Lewiston; altogether forming objects of interest sufficient to fill a wellsized volume.

The Niagara River is navigable from Lewistou to its mouth at Fort Niagara, a farther distance of soven miles, or four-teen below the Falls of Niagara.

The yillage of Niagara Falls, Niagara Co., N. Y., is situated on the east side of Niagara River, in the immediate vicinity of the grand Cataract, 22 miles from Buffalo and 303 miles from Albany by railroad route. No place in the Union exceeds this favored spot as a fashionable place of resort during the summer and fall months, when hundreds of visitors may be seen overy day flocking to Goat Island, or points contiguous to the Rapids and Falls. The village contains several large hotels for the accommodation of visitors, the most noted of which are the Cataract House and the International Hotel; the Monteagle Hotel, situated two miles below the Falls, near the Suspension Bridge, and the Clifton House, on the Canada side, are all alike popular and well-kept hotels; there are five churches of different denominations; 15 stores, in many of which are kept for sale Indian curiosities and fancy work of different kinds. denominations; 15 stores, in many of which are kept for sale Indian curiosities and fancy work of different kinds. The water-power here afforded by the descending stream, east of Goat Island, is illimitable. A paper-mill, a flouring-mill, two saw-mills, a woollen factory, a furnace and machine shop, together with other manufacturing establishments, here use the water-power so bountifully avplied. The population is about 3,500.

The railroads centring at the Falls are the Buffalo, Niagara Falls and Leviston Railroad, and the New York Central Railroad, the latter road connecting at Buffalo with the New York and Evic Railroad, and forming with other roads a direct route to

NIAGARA CITY, situated two miles below NAGARA CITY, Situated two miles below the Falls, at the Suspension Bridge, is a new and flourishing place containing about 1,500 inhabitants. Here is situated the Monteagle Hotel,

SUSPENSION BRIDGE AND THE Cataract and Rapids of Niagara.

To give the reader some idea of the off through solid rocky soil. In cities loskill-THE SUSPENSION BRIDGE-

AN ENGINEER'S MONUMENT.

Spanning the chasm of the Niagara iver, uniting the territories of two different Governments, and sustaining the unin-terrupted railroad traffic of the Provinces of Canada with the United States, 250 feet above a flood of water which man has never been able to ferry, stands the monunever open able to terry, stands the monu-ment of John A. Roebling. The Niagara Railway Suspension Bridge, is the grandest and the most distinguishing achievement of Art in this world. It is the proudest, it is the most beautiful, and will prove to be the most enduring monument anywhere set up on this continent.

To give the reader some idea of the grandeur of this triumph of engineering skill—THE SURPENSION BRIDGE—we copy the following article from a late Buffalo paper:

AN ENCINEER'S MONIMENT. no jar to passengers walking upon the carriage way below. The land cables of the bridge do not tremble under it—the slight concussions of the superstructure do not go over the summits of the towers angar concussions of the superstructed do not go over the summits of the towers. This last fact in the stiffness of the great work is of much importance. It furnishes a guarantee of the durability of the misonry. Fast anchored with stone and grouted in solid rock cut down to the depth of twenty-five feet, the great calles are immovable by any mechanical force incidental to the use of the bridge, or the natural influences it will be subject to. The ultimate strength of these cables is 12,400 tons. The total weight of the material of the bridge, and of the traffic to which it will ordinarily be subjected is 2,262 tons, to sustain which the Engineer has provided in his beautiful and scientific structure, a strength of 12,400 tons. He set up on this continent.

Regard this wonderful product c. engineering skill. Its span is 822 feet. Yet an engine, tender and passenger car, loaded with men, and weighing altogether 47 tons, depress the long floor in the centre but 5½ inches. The Bridge, loaded with a loaded freight train, covering its whole length, and weighing 326 tons, is deflected in the middle only 10 inches. This extreme depression is perceptible only to practised eyes. The slighter changes of level require to be ascertained with instruments. Delicate as lace work, and seemingly light and airy, it hangs there high between heaven and the boiling flood below, more solid than the earthbods of the adjacent railways. The concussions of fast moving trains are sensibly felt miles ers, and wei only skill bur "tr of t

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hour, communicates

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stiffness of the great ortance. It furnishes

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feet, the great cables any mechanical force of the bridge, or the t will be subject to the of these cables is

th of these cables is tal weight of the ma-, and of the traffic to larily be subjected is n which the Engineer peautiful and scientific

of 12,400 tons. He hat while the strength

rly six times as great asion, THAT STRENGTH PAIRED BY VIBRATION.

on raised by THE DEo, which excited such

ances such angry dis-treated our doubts and the stores of an ing experience, which od of suspending Iron d use, that should enof 200 feet. How ample is this provision

made for defective iron or rudden strains!

The Anchor Chains are composed of 9 links, each 7 feet long, save the last, which is 10 feet. The lowest link is made of 7 bars of iron, 7 inch by 1. It is secured to a cast iron anchor plate 3½ inches thick, and 6 feet 6 inches square. The other links are equally strong. The iron used was all made from Pennsylvania charneed was an mase from Pennsylvania char-coal Ulster county, N Y., and Salisbury Pig, and can be depended upon for a strength of 64,000 pounds to the square inch. The central portions of the anchor plates, through which the links pass is 12 inches thick. The excavations in the solid rock were not vertical. They inclined fromrock were not vertical. They inclined from the river. The rock upon which the work may rely on the New York side of the chasm is 100 feet long, 70 feet wide, and 20 feet deep. It weighs 160 pounds to the cubic foot, and presents a resistance of 14 000 term and leave of the weight of the 14,000 tons, exclusive of the weight of the superincumbent masonry and embankment.
The Towers are each 15 feet square at

the base, 60 feet high above the arch, and 8 feet square at the top. The limestone of which they are built will support a presof which they are built will support a pressure of 500 tons on each square foot without crushing. While the greatest weight that can fall upon the tower will rarely exceed 500 tons, a pressure of 32,000 tons will be required to crush the top course. There are 4,000 tons' weight in each of the towers on the New York side.

tirely obviate the objections to them felt by most of the Iron-Masters of the United States. He has since that demonstrated it in a most wonderful structure.

There are in the bridge 624 "suspenders," each capable of sustaining 30 tons—and all of sustaining 18,720 tons. The weight they have ordinarily to support is only 1,000 tons. But the Engineer has skilfully distributed the weight of the burdens, by the means of "girdere" and "trusses." These spread the 34 tons heft of a locomotive and tender over a length of four smaller ones, called PERFECT. Each of the large cables is composed of four smaller ones, called together. On this, art. Russians, who is a moderate as well as a modest man, feels justified in speaking with the word perfect. Each of the large cables is composed of four smaller ones, called "strands." Each strand has 520 wires. One is placed in the centre. The rest are placed around that. These strands were manufactured nearly in the same position manufactured nearly in the same position the cables now occupy. The preparatory labors, such as oiling, straightening, splicing, and reeling, were done in a long shed on the Canada side. Two strands were made at the same time, one for each were made at the same time, one for each of the two cables under process of construction. On the completion of one set, temporary wire bands were laid on about nine inches apart, for the purpose of keeping the wires closely united, and securing their relative position. They were then lowered to occupy their permanent position in the cable, On completion of the seven pairs of strands, two platform carriages were mounted upon the cables, for laving on a continuous wranning. by carriages were mounted upon the cables, for laying on a continuous wrapping, by means of Robellion's patent wrapping machines. During this process the whole mass of wire was again saturated with oil and paint, which, together with the wrapping, will protect them effectually against all oxidation. Five hundred tons of this wire is English. American manufacturers did not put in proposals. That used was remarkably uniform, and most carefully made.

slowly, than it will under light strains moving rapidly. This law was borne constantly in mind by the Engineer of the Ningara Railway Bridge. The cables and suspenders are, so to speak, at rest. They are so well protected, too, from rust, that they may be regarded as eternally durable.

durable.

Among the interesting characteristics of this splendid architecture, is its clasticity. The depression under a load commences at the end, of course, and goes regularly across. After the passage of a train, the equilibrium is perfectly restored. The elasticity of the cables is fully equal to this task, and WILL NEVER BE LOST.

The equilibrium of the Bridge is less affected in cold weather than in warm. If a change of temperature of 100 degrees should take place, the difference in the level of the floor would be 2 feet 3 inches.

inches. So solid is this Bridge in its weight, So solid is this Bridge in its weight, its stiffness, and its staying, that not the alightest motion is communicated to it by the severest gales of wind that blew up through the narrow gorge which it spans. Next to violent winds, suspension bridge builders dread the trotting of cattle across their structures. Mr. Rorbeins says that heavy tests, remning 20 miles as how.

butters areas the trotting of cattle across their structures. Mr. Robelings says that a heavy train running 20 miles an hour across his Bridge, would do less injury to it than would 20 steers passing on a trot. It is the severest test, next to that of troops marching in time, to which bridges, iron or wooden, suspension or tubular, can be subjected. Strict regulations are enforced for the passage of hogs, horses, and ozen, in small bodies, and always on a walk.

This great work cost only \$500,000. The same structure in England (if it could possibly have been built there) would have cost \$4,000,000. It is unquestionably the most admirable work of art on this continent, and will make an imperishable monument to the memory of its Engineer, John A. Roebling.

We append a Table of Quantities for the convenience of our readers, and the more easy comprehension of the charac-te of the structure: Length of span from centre to centre of

Towers 622 1006
Height of Tower above rock on Ameri-
can side 85 feet
Height of Tower above rock, Canada side 78 feet
Height of Tower above floor of Railway, 60 feet
Number of Wire Cables 4
Diameter of each Cable 10 inches
Number of No. 9 wires in each Cable. 8,569
Ultimate aggregate strength of Cables, 12,400 tons
Weight of Superstructure 750 tons
Weight of Superstructure and maxi-
mun loads
Ultimate supporting strength 780 tons
Ultimate supporting strength
Height of Track above water 250 feet
Base of Towers 16 feet square
Top of Towers 8 "
Length of each Upper Cable 1,2564 feet
" Lower Cable 1,190 feet
Depth of Anchor Pits below surface
of Rock 80 feet
Number of Suspenders 624
Ultimate strength of Suspenders 18,720 tons
Number of Overfloor Stays 64
Aggregate strength of Stays 1,920 tons
Number of It /er Stays b6
Aggregate strength of Stays 1,680 tons
Elevation of Rallway Track above mid-
dle stage of River 945 feet
Total length of Wires 4,000 miles
The weights of the materials in the
bridge are as follows:

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The GREAT WESTERN RAILWAY OF CANADA, which unites with the New York CANDA, which unites with the New York Central Railroad, terminating on the American side of the river, here commences and extends westward through Hamilton, London, and Chatham to Windsor, opposite Detroit, Mich., forming one of the great through lines of travel from Boston and New York to Detroit, Chicago, and the Far West. See page 50.

This road also furnishes a speedy route of travel to Toronto Montrael etc.

Timber.
Wrought Iron and Suspenders.
Castings.
Rails.
Cables (between towers).

of travel to Toronto, Montreal, etc.

Objects of Interest.

The following are the principal onjects of interest above and below the Falls: Canada Side.

able of Quantities for

ension of the charac-

entre to centre of 822 feet

re rock on Ameri82 feet
rock, Canada side 78 feet
e floor of Kallway. 60 feet
10 nech Cables, 12,400 tons
ture and maxirength 730 tons
ture and maxi1,250 tons
trength 730 tons
(Table 1, 250) feet
16 feet aquare

Cable 1,253 feet
Cable 1,190 feet
below surface
80 feet

1.85.
919,180
uspenders. 118,120
44,832
66,740
rs). 585,400

ESTERN RAILWAY OF rminating on the Ameririninating on the American iver, here commences ward through Hamilton, ham to Windsor, opposing forming one of the sof travel from Boston

Detroit, Chicago, and e page 50.
rrnishes a speedy route
o, Montreal, etc.

CHIPPEWA, R.R. and Steamboat Station. Nevy Island. Rapids. Rapids.
Burning Spring.
Lundy's Lane, and Battle-field.
Horseshoe Fall. Table Rock and Stairs. CLIFTON HOUSE. Ferry.
Ferry.
New Suspension Bridge.
CLIFTON, Groat Western Raiiway Station.
Suspension Bridge, 822 feet in length.
Whirlpool and Rapids.
Brock's Monument. American Side.

Schlosser's Landing. Goat Island. Cave of the Winds.
Rapids, and Bridge to Gost Island. VILLAGE OF NIAGARA FALLS. American Fall. Ferry and Stairs. New Suspension Bridge. NIAGARA CITY.
Suaponsion Bridge, New York Central
Railroad Statiou. Mont Eagle Hotel.
Rapids and Whiripool.
Mountain Ridge.
LEWISTON, R. R. and Steamboat Station. YOUNGSTOWN. Fort Niagara.

THE WANT OF IMPROVEMENTS.

QUEENSTON. NIAGARA, TOWN.

The immense water-power at the Falls. and Rapids above, are used but to a limited extent for manufacturing puriimited extent for manuacturing pur-poses, while every effort is made by the inhabitants and hangers-on at this great resort to extract a living from the thou-sands who annually flock here to view this mighty Cataract.

this mighty Cataract.

Instead of planting shade-trees, making walks and cooling drives, building cottages, and laying out gardens, every thing seems neglected and suffered to remain unturproved on the American side, while a limited effort is perceptible on the Canada side, where the grounds are admirably situated, affording beautiful sites for summar residences. summer residences.

Falls, and seven miles above the mouth Kalls, and seven miles above the mouth of the river where it falls into Lake Ontario. It is an incorporated village, and coutains about 1,000 inhabitants, four churches, an incorporated academy; a custom-house, it being the port of entry for the district of Niagara; two hotels, nine stores, and three storehouses. Here in a vory convenient steambout landing, from which steamers depart daily for Oswego, Ogdensburgh, etc., on the American side, and for Toronto, Kingston, etc., on the Canadian side. The Buffalo, Niagara Falls, and Lewiston Railroad terminates at this place, where is a steam ferry, connecting Lewiston with Queens-ton, Canada. The mountain ridge here rises about 300 feet above the river, form-LEWISTON, Niagara Co., N. Y., is de-lightfully situated on the east bank of the Niagara River, seven miles below the while on the Canadian side are situated

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Queensten Heights, surmounted by a beautiful monument erected to the member ory of General Brock, of the British army, who was here killed in a sanguinary contlict, October 13th, 1812. From this lieight a most extensive and grand view is obtained of Lake Ontario and the surrounding country.

Youngsrown, six miles below Lewiston, and one mile above old Fort Niagara, at

Th chair the s trem the : State lake, rence

wher The whole size; upwer is ele and with River It has

ship trade

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Route around Lake Ontario.

	Miles.
Kiugston, C. W., to Toronto, via Grand Trunk Railway	. 160
Toronto to Hamilton, C. W., Toronto and Hamilton R. R.	. 38
Hamilton to Suspension Bridge, via Great Western R. R	. 43
Suspension Bridge to Rochester, N. Y., via N. Y. Central Re vay	. 76
Rochester to Oswero, N. Y., by Stage	. 70
Oswago to Richland, N. V. "	. 35
Richland to Cape Vincent, via Watertown and Rome R. R	. 55
Cape Vincent to Kingston, C. W., via Wolfe Island	. 12
Total Miles	. 489

Note.—The extreme length of Lake times as long as its greatest width. The Ontario is 190 miles from Cape Vincent circuit of the water is estimated at 480 to Hamilton, C. W.; being about four miles.—See Lake Eric, page 14.

Rapids of the St. Lawrence River.

The Rapids of the St. Lawrence, in connection with the "Thousand Islands," form the most remarkable feature of this truly noble stream. The "Thousand Islands" are situated near the foot of Lake Ontario, where the St. Lawrence proper commences. Here are found delightful reserts for those fond of fishing and hunting, surrounded by scenery of the most enchanting character.

The fall in the St. Lawrence River, between Ogdensburg and Montreal, a distance of 120 miles, exceeds 200 feet. The rapids encountered are the Gallop Rapids; 140 miles. See Engraving.

iver, is a regular steamiver, is a regular steam-erry plies from Youngs-ge of Niagara on the eriver, here about half This is the first landing, side of the river, after waters of Lake Onra, an old and import, is situated at the

Miles. 38 12 s greatest width. The

lver. Saut Rapide (descent Coteau Rapids, Cedar ide Rapids have a de-the distance of 11 miles.

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Erie, page 14.

oids, the last formidable ede navigation, have a these Rapids by steam afe, affording the most i excursion imaginable. stream steamers pass awrence Canals, afford-on; total length about

graving.

LAKE ONTARIO.

chain of Lakes of North America, receives the aurplus waters of Niagara River; it is 180 miles in length, and 60 miles in extreme breadth; being about 480 miles in circumference. The boundary line between

This Lake, the most eastern of the great hain of Lakes of North America, receives an earning the aurplus waters of Niagara River; it is 80 miles in length, and 60 miles in exreme breadth; being about 480 miles in a recumber one. The boundary line between the British Possessions and the United states runs through the middle of the ske, and so continues down the St. Lawence to the 45th degree of north latitude, there the river enters Canada.

The lake is navigable throughout its phole extent for vessels of the largest it; and it is said to be in some places poward of 600 set in depth. Its surface selevated 234 feet above the Atlantic, all lies 330 feet lower than Lake Erie, with which it is connected by the Niagara liver and by the Welland Canal in Canade and the seed of Lake Ontario, from the great extended of the sended circumference. The boundary line between the British Possessions and the United States runs through the middle of the lake, and so continues down the St. Lawrence to the 45th degree of north latitude, where the river enters Canada.

The lake is navigable throughout its whole extent for vessels of the largest size; and it is said to be in some places upward of 600 feet in depth. Its surface is elevated 234 feet above the Atlantic, and hier 330 feet lower than Lake Eric. and lies 330 feet lower than Lake Erie, with which it is connected by the Niagara River and by the Welland Canal in Canada. River and by the Welland Canal in Canada. It has also been proposed to construct a ship canal on the American side. The trade of Lake Ontario, from the great extent of inhabited country aurrounding it, is very considerable, and is rapidly increasing. Many sail vessels and splendid ateamers are employed in navigating its vectors which owing to its great death. crossing. Many sail vessels and splendid steamers are employed in navigating its waters, which, owing to its great depth, never freeze, except at the sides, where the water is shallow; so that its navigation is not so effectually interrupted by ice as some of the other large lakes. The most important places on the Cancelian or British side of Lake Ontario are Kingston, Coburg, Port Hope, Toronto, Hamilton, and Niagara; on the American shore, Cape Vincent, Sacket's Harbor, Oswego, Charlotte or Port Genesse, and Lewiston, on Niagara River. This Lake is connected

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BROUT B're. divide s ye

TRIP THROUGH THE LAKES,

Giving a Description of Cities, Towns, &c.



slthough steamboats, ships, and other lake craft, and canal-boats, to the number, in all, of from three to four hundred, have sometimes been assembled there for the transaction of the business of the lakes, or to not one-half part of the water accommodations has ever yet been occupied by the vast business of the great and grow-

ing West. The harbor of Buffalo is the most capacious, and really the easiest and safest of access the easiest and safest of access on our inland waters. Improvements are annually made by dredging by the construction of new piers, wharves, warehouses, and elevators, which extend its facilities, and render the discharge and trans-shipment of cargoes more rapid and convenient; and in this latter respect it is without all

possessing commanding advantages, being 22 miles at ve Niagara Falls, is distant from Albany 298 miles by railroad, and about 350 miles by the line of the Erie Canal; in N. lat. 42° 53′, W. long. 78° 56′ from Greenwich. It is favorably situated for commerce at the head of Niagara River the onlet of the state of the possessing commanding advantages, being in 1801. In 1832 it was chartered as a city, being now governed by a mayor, reached and about 350 milee by the line of the Erie its population in 1830, according to the Canal; in N. lat. 42° 53′, W. long. 78° 55′ from Greenwich. It is favorably situated for commerce at the head of Nisgara River, the outlet of Lake Erie, and at the foot of the great chain of Upper Lakes, and is the point where the vast trade of these inland seas is concentrated. The harbor, formed of Buffalo Creek, lies nearly east and west across the southern part of the city, and is separated from the waters of Lake Erie by a peninsula between the creek and lake. This harbor is a very secure one, and is of such capacity, that although steamboats, ships, and other lake craft, and canal-boats, to the number, in all, of from three to four hundred, have sometimes been assembled there for the transaction of the heights of the blass.

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The harbor of Buffalo st capacious, and really st and safest of access land waters. Improve-re annually made by by the construction of s, wharves, warehouses, ators, which extend its and render the discharge s-shipment of cargoes id and convenient; and tter respect it is without

t settled by the whites it was chartered as a overned by a mayor, re-of twenty-six aldermen. of twenty-six aldermen.
1830, according to the
sus, was 8,668; in 1840,
850, 42,261. Since the
limits of the city have
taking in the town of
now divided into thircording to the Census of
130 inhabitants, in 1865,
the third city in point
tate. The public buildtate, and many of them fine
itecture; while the pritricularly those for busies of the most durable
nodern style. The manshments, including 'sevp-yards for the building
ke craft, are also nomerd on a large scale, prod on a large scale, pro-ured articles for the nadian markets.

public buildings are an

U. States Custom-House and Post-Office; different ports on Lake Eric and the Up-City Hall; Court-House and Jail; 2 Thesper Lakes seven different Lines of Pro-tres, and 60 Churches of different denom-pellers, annually transporting an immonse City Hall; Court-House and Jail; 2 Theatres, and 60 Churches of different denominations.

Here are also 8 banking houses, 4 Savings Banks, and several Fire and Marine Insurance Companies.

The Lines of Steamers and Railroads

diverging from Buffalo tend to make it one of the greatest thoroughfares in the Un-ion. Steamers and propellers run to Cleva-land, Sandusky, Toledo, Detroit, Mackinac, Saut Ste. Marie, Green Bay, Milwaukee,

amount of merchandise and produce, which finds its exit eastward by means of the Eric Canal, and the several Railroad

Lines.
"The climate of Buffalo is, without The climate of Bullato is, without doubt, of a more even temperature than any other city in the same parallel of latitude from the Mississippl to the Atlantic coast. Observations have shown that the

Saut Ste. Marie, Green Bay, Milwaukee, Chicago, &c.

RAILROADS RUNNING FROM BUFFALO.

1. New York Central, to Albany and Troy, 298 miles.

2. Buffalo, Niagara Fulls, and Lewiston, 28 miles.

3. Buffalo, Niagara Fulls, and Eric, to the city of New York, and Eric, to the city of New York, 434 miles.

4. Lake Shore Railroad, to Cleveland, Ohio, 183 miles.

5. Buffalo and Lake Huron Railway, 161 miles.

6. Great Western (Canada) Railway (Sus. Bridge to Detroit, Mich.), 230 miles.

7. Buffalo to Detroit, Mich.), 230 miles.

6. Great Western (Canada) Railway (Sus. Bridge to Detroit, Mich.), 230 miles.

7. There are also four lines of City Railroads running to different points within the limits of Buffalo.

The principal Hotels are the Tiff House, and Munsion House, on Main street; Bonney's Hotel, on Washington street; the Rovett House, and Western Hotel, facing the Torrace.

There are now running from Buffalo to There are now running for Buffalo to There are now running to different points within the limits of Buffalo.

The principal Hotels are the Tiff House, and Munsion House, on Main street; Bonney's Hotel, on Washington street; the Rovett House, and Western Hotel, facing the Torrace.

There are now running from Buffalo to There ar

BUFFALO TO DETROIT-NORTH SHORE ROUTE.

On leaving the wharf at Buffalo, the is a long strip of land, nearly 20 miles Steamers usually run direct for Long long, and from one to three miles in width, covered for the most vart with a stunted growth of forest trees. It was formerly distance in British waters, to the mouth of Detroit River.

The Long Point, 65 miles from Buffalo,

made a wide breach across its vistern made a wide breach across its v.stern extremity, has converted it into an island. There is an important light-house on the east end to guide the mariner on his passage through Lake Erie, here about 40 miles wide, and where is found the greatest depth of water. To this Point both shores of the lake can be seen in a clear results from the deals of the stewart. morning from the deck of the steamer, affording a most grand sight when the sun rises on a cloudless day. Then may usually be seen a feet of vessels wending their way toward Buffalo or the mouth of the Welland Canal, through which channei annually passes a great number of steam propellers and sail vessels on their way to Lake Ontario and the St. Lawrence

PORT COLBORNE, C. W., situated about

20 miles west of Builalo, lies at the mouth of the Welland Canal, while PORT MATTLAND, some 20 miles farther, is situated at the mouth of Grand River, where is a navigable feeder com-municating with the caual, thus affording two entrances to the above canal.

PORT DOVER, about 70 miles west of Buffalo, and 40 miles distant from Hamilton by proposed railroad route, is situated on the north shore of Lake Erie, at the mouth of the river Lynn. Here is a good harbor, and the village is a place of growing importance, containing about 1,000 inhabitants.

PORT RYERSE and PORT ROWAN are smail villages on the Canada shore, situ-ated on the bay formed by Long Point. Inland there is to be found a rich and fine farming district, consisting of some of the best lands in Canada West.

The Sand Hills, immediately west of Long Point, are seen for some distance as the steamer pursues her onward course toward Point aux Pins, passing through the widest part of the lake, where both shores are lost sight of for a number of the widest part of the lake, where both in length.

Shores are lost sight of for a number of miles. The water usually presents a clear green color in the middle, but near the jects a number of miles into Lake Erie,

shore is more or less tinged with muddy water, proceeding from the streams empty-ing into the lake. PORT BURWELL, C. W., evout 35 miles

west of Long Point, is handsomely situated at the mouth of Otter Creek. Here is a light-house and good harbor. A large amount of lumber and other products are annually exported from this place to Eastern markets.

PORT STANLEY, about 25 miles farther west, is handsomely situated at the mouth of Kettle Creek, being in part surrounded by high and picturesque hills in the immediate vicinity. The harbor is well protected, and much frequented by British and American vessels running on Lake Erie. It is nine miles south of St. Thomas, and twenty-four from London, the chief town of the county of Middle-ear, for which place it may be considered the out-port. A plank-road runs between the two places; also, the London and Port Stanley Railroad, connecting with the Great Western Railway of Canada. Steamers run from F 't Stanley to Buffslo, Cleveland, and other ports on Lake

POINT AUX PINS, or ROND' EAU (usually called by the American navigators Round
O), about 100 miles west of Long Point,
is a cape which projects from the Cauada shore, enclosing a natural basin of about 6,000 acres in extent, with a depth of from ten to twelve feet, thus forming an excellent and secure harbor, the entrance to which has been improved by the Canadian government by running out piers, etc. It is proposed to construct a ship canal from this port to the St. Clair River, a distance of about 35 miles, thus avoiding the St. Clair Flats. Another Canadian project is to construct a canal from Goderich to Hamilton, C. W., about 120 miles

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W., about 35 miles is handsomely situ-Otter Creek. Here l good harbor. A ber and other pro-exported from this kets.

bout 25 miles farmely situated at the k, being in part surpicturesque hills in ity. The harbor is much frequented by vessels running on e miles south of St. four from London, e county of Middleit may be considered k-road runs between so, the London and ad, connecting with Railway of Canada. F 't Stanley to Buf-other ports on Lake

r ROND' EAU (usually ean navigators Round west of Long Point, ects from the Canada stural basin of about nt, with a depth of feet, thus forming an harbor, the entrince nproved by the Canarunning out piers, to construct a ship to the St. Clair River, 35 miles, thus avoid-. Another Canadian et a canal from Gode-W., about 120 miles

ing about 40 miles of Detroit River, pro-miles into Lake Erie,

and forms, in connection with the island of Point Pelée and other islands in the vicinity, the most picturesque portion of lake scenery to be met with on this in-

Point Pelée Island, belonging to Canada, is about seven miles long, and two or three miles in width. It is in-

two or three miles in width. It is inhabited by a few settlers. The island is said to abound with red cedar, and possesses a fine lime-stone quarry. A lighthouse is situated on the east side.

The steamers bound for Detroit River usually pass to the north side of Point Pelée Island, and run across Pigeon Bay toward Bar Point, situated at the mouth of Detroit River. Several small islands are passed on the south called Fast Sixter. or Detroit Kiver. Several small stands are passed on the south, called East Sister, the Middle Sister, and West Sister; also, in the distance, may be seen the Bass, were on ISLANDS, known as the "North Bass," of Middle Bass," and "South Bass." On the west side of the latter lies the secure the west side of the latter lies the sector harbor of Put-IN-BAY, celebrated as the rendez-ous of Com. Perry's fleet, before and after the glorious naval victory which he achieved over the British fleet, Sep-

between the Upper and Lower Lakes, is next approached, near the mouth of which may be seen a light on the Michigan shore called Gibrattar Light, and another light on an island attached to Canada, the steamers usually entering the river through the east or Br...sh Channel of the river, although vessels often pass

through the west or American Channel.

AMBERSTBURGH, C. W, 18 miles below Detroit, is an old and important 119 " 4 35 TR "

may here be seen, surrounded by highly cultivated grounds. About a mile below the town is a chalybeate spring, which is said to resemble the waters of Cheltenham, in England. Bruish and American vessels frequently land at Amherstburg, on their trips to and from the Upper

FORT MALDEN, capable of accommodating a regiment of troops, is situated about half a mile above Amherstburg, on the east bank of the river, the channel of which it here commands.

At Brownsrown, situated on the opposite side of the river, in Michigan, is the battle-ground where the Americans, under disadvantageous circumstances, and under disadvantageous circumstances, and with a slight loss, routed the British forces, which iay in ambush, as the former were on their way to relieve the fort at Frenchtown, which event occurred August

5, 1812.

SANDWICH, C. W., is beautifull—situated on the river, two miles below Detroit, and nine miles below Lake St. Clair. It stands on a gently sloping bank a short distance from the river, which is here about a mile wide. This is one of the oldest settlements in Canada West.

The town contains 3,133 inhabitants.
Windson, C. W., situated in the township of Sandwich, is a village directly opposite Detroit, with which it is conly opposite Detroit, with which it is con-nected by three steam ferries. It was laid out in 1834, and is now a place of considerable business, having apopulation of about 2,500 inhabitants. Here ter-minates the Great Western Railway of Canada, which extends from Niagara Falls AMHERSTBURGH, C. W, 18 miles | Canada, which extends from Niagara Falis below Detroit, is an old and important or Suspension Bridge, via Hamilton and London, to opposite Detroit—thus forming of the river, both above and below the village, but particularly the latter, where the river emerges into Lake Erie, are very beautiful; several handsome residences | sippi and Missouri Rivers.

BAILROAD ROUTE from Niagara Falls to Hamilton and Detroit, via Great Western Railway of Canada.

This great International Line, extending from Niagara River to Detroit River, opposite the city of Detroit, a distance of 229 miles, passes through a fine and interesting section of country, equal in many respects to Western New York. It connects with the New York Central and Buffalo and Niagara Falls Railroad, forming a great through route of travel.

forming a great through route of travel.
Starting from the Suspension Bridge at
Clicon, two miles below the Falls of Niagara, the passenger train soon reaches the verge of the mountain ridge over-looking the plain below, while in the dis-tance may be seen the broad waters of Lake Ontario, usually studded with sail vessels and propellers on their way to or from the mouth of the Welland Canal.

"Traced like a map, the landscape lies In cultured beauty stretching wide."

THOROLD, nine miles, is situated on the line of the Welland Canal, where is abundant water-power propelling five or six flouring mills. A railroad ex-tends to Port Dalhousie, some five or six miles distant, connecting with a steamer running to Toronto. This road will be extended to Port Colbourne, on Lake Erie, about twenty miles distant.

Sr. CATHERINES, 12 miles from the Suspension Bridge, is a flourishing town, also aituated on the line of the Welland Canal, which connects Eric and Ontario.
This has become of late a fashionable This has become of the summer months, caused by the mineral waters of the "Artesian Wells" obtaining great celebrity. owing to their curative properties. Here are several well-kept hotels for the accommodation of visitors. St. Catherines is justly termed "the Saratoga of Canada," being annually visited by thousands of

are two churches, a hotel, and several atores; also, a grist and sew mills pro-pelled by water-power.

Ham'tton, 43 miles from Suspen-

sion Bridge, is the principal station on the line of the Great Western Railway, where are located the principal offices and work-ahops connected with the company. Here is a commodious dépôt and steamboat land-

is a commonwis deput and accentrate ing. Carriagos and omnibuses are always in readiness to convey passengers to the hotels in the city, and steamboat landings.

The Thronto Branch of the Great West.

ern Railway con mences at Hamilton, and extends a distance of thirty eight miles to the city of Toronto, running near the shore of Lake Ontario.

On leaving Ham'tton for Windsor or Detroit, the road passer near the mansion of the late Sir Allan M'Nab, and over the Dea Jardines Canal, entering the head of Burlington Bay. Here is also a Suspen-sion Bridge in sight, thown over the stream as it cuts its way through the high bank which encircles the bay or lake. This point presents a beautiful view, both on leaving or arriving at the head-waters. of Lake Ontario.

DUNDAS, five miles from Hamilton, is situated on rising ground on the side of the mountain, and is a thriving manus facturing place, having the advantage of a atream which flows, or rather rushes, with great impetuosity through its centre, working on its way numerous mills... The Des Jardines Canal runs from hence to Burlington Bay, enabling the manufactural Burlington Burl

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he station. farther, is situated the scene of some he war of 1812. It 0 inhabitants: there

hotel, and several and saw mills promiles from Suspenncipal station on the tern Railway, where cal offices and work-the company. Here and steamboat land-

mnibuses are always y passengers to the ateamboat landings. of the Great Westthirty eight miles to nning near the shore

on for Windsor or or near the mansion M'Nab, and over the ntering the head of re is also a Suspen-t, theown over the vay through the high s the bay or lake. beautiful view, both at the head-waters

es from Hamilton, ground on the side g the advantage of s, or rather rushes, y through its centre, umerous mills. The runs from heuce to bling the manufacds at their own doors.

HARRISBURGH. 19 miles from Ham-Bridge, and 110 miles from Windsor, if floor, is the station of the Galt Branch of not, like her English namesake, the Great Western Railway.

Paris, with the Upper and Lower Town, contains about 3,500 inhabitants; so called from its contiguity to beds of gypsum or plaster of Paris. It possesses a considerable amount of water-power, which works numerous mills. There are two foundries, a tannery, machine-shop, distillery, saw-mill, etc. The Buffulo and Lake Huron Railway intersects the Great Western at this point, running to Gode-

rich, on Lake Huron.
WOODSTOCK, 48 miles from Ham-ilton, and 138 miles from Windsor, is a county town, well situated on rolling ground, and contains about 4,500 inhab-itants. It may be called a town of magitants. It may be called a town of mag-nificent distances; East and West Woodand west wood-stock forming a street upward of a mile in length. The vacant spaces, however, are fast being filled up with stately edi-fices, and i. will thus in a short time be-come one of the handsomest thoroughfares in Canada. In this locality, noted for its handsome country seats—and indeed all the way from Hamilton—the land, as seen from the road (the railroad for the most part passes through a new for the most pare passes through a new country), is rolling and well cleared of trees and atumps, presenting more the appearance of "merrie England" than any other section of the Province.

Insersout, nine miles farther, for-

merly an Indian village, now contains about 2,000 inhabitants. A small arm of the Thames runs through it, and furnishes some water-power, by which sevnienes some water-power, by which several mills are worked. Since the opening of the railway it has risen in a surprising minner; and the town, which before then had a vory dingy appearance, the houses being of wood and wanting paint, is now gay with white brick, and the streets resound with the hum of an enterprising roundation.

The great resort
Of all the earth—checkered with all
Complexions of mankind—

is nevertheless a very stirring business place, and presents another instance of the energy and enterprise of the Canadians. Ten years ago, this then very small vil-lage of wooden houses was entirely burned down, and now on its ashes is raised a most flourishing city, containing four banks, several wholesale houses, fif-teen churches, many of them handsome structures, and the English Church having a fine peal of bells; life and fire in-surances offices, breweries and distilleries. It has three newspapers and several good hotels. Population nearly 18,000. It is well watered by the river Themes, which,

well watered by the river Tiames, which, however, is only navigable up to Chatham, sixty miles distant.

The London and Port Stanley R. R. here joins the Great Western Railway; length 24 miles, ruuning south to Lake Erie.

Chatham, 46 miles from Windsor, situated on the river Thames, possesses the great advantage of a navigation, and is therefore a place of considerable busing is therefore a place of considerable busi-ness. It contains eight churches; and being the county town of Kent, it has a being the county town of Kent, it has a court-house, a very handsome building, several gristand saw mills, woolien factory, two foundries, machine-a top, etc. Steamers ply between Chatha.u, Detroit, and Amherathurg. Population about 5,000.

WINDSOR, 229 miles from Suspension Bridge, opposite Detroit, prettily situated on the banks of the river, is a place of considerable business, and is rapidly ingreasing in wealth and population, owing

crossing in wealth and population, owing to the advantage it has of being the western terminus of the Great Western Railway.

Three steam-ferries ply between Windterprising population.

Suspension for the benefit of railroad passengers.

BUFFALO TO GODERICH, C. W., via BUFFALO AND LAKE HURON RAILWAY.

This important line of travel extends situated on Grand River, and named after from Buffalo, N. Y., crossing Niagara Brant, the renowned chief of the Six Nativer by means of a steam forty at Black to Fort Eric, on the Canada side. It is proposed to construct a parmane. It is proposed to construct a parmane. American War. "In Gertrade of Wyorailway a short distance above the present in the first of the construct of the steam of the construction of the constructio

from Buffalo of 116 miles. From this point the road is now completed and in running order to Goderich, situated on Lake Huron, a total distance of 163 miles. DUNVILLE is advantageously situated

DUNYILLE is advantageously structured on the Grand River, at a point where it is intersected by the feeder of the Welland Canal. It is a place of considerable business, and contains several grist, saw, and plaster mills, and a tannery. Popu-

lation about 1,500.

The Welland Canal is one of the many The Welland Canal is one of the many works of the same kind of which Canalains may be proud. This Canal affords a passage for propellers, sloops, and schooners of 125 tons burden, around the Falls of Nisgara, and connects Lake Erie with Lake Ontario. It is 42 miles long, including feeder, 56 feet wide, and from 8½ to 16 feet deep. The whole descent from one lake to the other is 334 feet, which is accomplished by 37 locks.

'The mamment comes—the field, the monater Brant'.

The mamment comes—the field, the monater Brant's considered within a short distance of Lake Eric for forty miles, to Dunville, situated at the mouth of Grand River, crossing the Welland Canal.

From Dunville the road runs along the valley of the river on the north side to Brantford, 38 miles farther, and from Brantford, 38 miles farther, and from Brantford, as miles farther, and from Brantford, The line thence runs to Stratford, C. W., where it connects with the Grand Trunk Railway, a total distance from Buffalo of 116 miles. From this Great Western Railways are great wheat Great Western Railway, was agreat wheat Great Great Western Railway, was agreat wheat Great Western Railway agreat wheat Great Great W

Brantford, until the opening of the Great Western Railway, was a great wheat market, the streets being crowded with hundreds of wagons daily; but that road created other markets, and to this extent the town has suffered. It has, however, the more of property of the property of the street of the other sources of prosperity. There is no place in the Province which commands place in the Province which commands such extensive water-power, and which is made available for the working of numerous mills. The iron foundries, machine shops, and potteries are on a large scale, and have caused the place to be regarded as the Birmingham of Canada. It has a goodly number of churches of various denominations, and one of the largest and handsament hatels in the Province. and handsomest hotels in the Province...
"The Kirby House." Population about

including feeder, 56 feet wide, and from 8½ to 16 feet deep. The whole descent from one lake to the other is 334 feet, which is accomplished by 37 locks.

Brantord is a new and thriving fown, favorably situated on the line of the Grand Trunk Railway of Canada. This section of Canada enjoys a good climate and 32 miles from Buffalo, and 32 miles from Goderich, is beautifully 6,000.

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ee opening of the y, was a great wheat eing crowded with laily; but that road, and to this extent. It has, however, perity. There is no e which commands power, and which the working of nuron foundries, maries are on a large it the place to be repaired one of the largest in the Province. Population about

new and thriving ed on the line of the y of Canada. This joys a good climate cing cereal grains in

Godertch, C. W., 163 miles distant from Buffalo, by railroad route, is advantageously situated on the east shore of Lake Huron, enjoying a healthy and delightful climate. Here is a good and secure harbor, being easily accessible to the largest steamers and sail vessels navigating the Upper Lakes. Here is rected an extensive reilroad depot, warehouses, grain elevator, and wharves, owned by the Buffalo and Lake Huron Railway—thus forming a through line of travel from Buffalo and Lake Huron Railway—company. The town is beautifully situated on elevated ground, rising about 150 feet above the waters of Lake Huron, here celebrated for their purity. The population amounts to about 5,000, and is

TABLE OF DISTANCES.

FROM BUFFALO TO TOLEDO-SOUTH SHORE ROUTE.

Ports, etc.	Miles.	Ports, etc.	Miles
Buffalo, N. Y	0	Toledo, Ohio	0
Silver Creek, N. Y	34	Maumee Bay	7
Dunkirk, "	42	Turtle Island	10
Portland, "	52	West Sister Island	22
Erie, Pa			
Conneaut, Ohio			
Ashtabula, "	131	Kelley's Island	45
Painesville, "	156	Cleveland, Ohio	100
Cleveland, "	185	Painesville, "	129
Kelley's Ísland	240	Ashtabula, "	154
Sandusky, Ohio	245	Conneaut. "	188
South Bass Island	245	Erie, Pa	195
West Sister Island			
Turtle Island		Dunkirk, "	
Maumee Bay	278		
Toledo, Ohio			

Norn.—The direct through route as run by the steamers from Buffalo to Toledo is soout 250 miles; the circuit of Lake Erie being about 560 miles.

BUFFALO TO CLEVELAND, TOLEDO, ETC.—SOUTH SHORE ROUTE.

Stear-crs and Propellers of a large class leave Buffalo daily, during the senson of navigation, for the different ports on the American or South Shore of Lake Erie, connecting with railroad cara at Cleveland, Sandusky, Toledo, and Detroit.

On leaving Buffalo harbor, which is formed by the mouth of Buffalo Creek, where is erected a breakwater by the United States government, a fine view is afforded of the city of Buffalo, the Canada shore, and Lake Erie stretching off in the the Buffalo and State Line Railroad, extending to Erie, Pa., runs through Duncteding to Erie, Pa., runs through Duncted the Pa.

distance, with here and there a steamer or sail vessel in sight. As the steamer proceeds westward through the middle of the lake, the landscape fades in the distance, until nothing is visible but a broad expanse of green waters.

STURGEON POLER 1880 and State Line Railroad, extending to Erie, Pa., runs through Dunckirk, forming in part the Lake Shere line of railroad, which, in connection with the railroad leading direct to the city of New York, affords great advantages to this local ty, which is no doubt.

expanse of green waters.

STURGEON POINT, 20 miles from Buffalo, is nassed on the south shore, when the take immediately widens by the lend receding on both shores. During the prevalence of storms, when the full the prevalence of storms, when the full the prevalence of storms. blast of the wind sweeps through this lake, its force is now felt in its full power, driving the angry waves forward with the velocity of the race-horse, often causing the waters to rise at the lower end of the lake to a greet height, so as to over ow ita banks, and forcing its surplus waters into the Niagara River, which causes the only perceptible rise and increase of the rush of waters at the Falls.

DUNKIRE, N. Y., 42 miles from Buffalo, is advantageously situated on the

shore of Lake Erie where terminates the New York and Erie Railroad, 460 miles in length. Here is a good and secure harbor, affording about twelve feet of water over the bar. A light-house, a beacon-light, and breakwater, the latter in by the United States government. As an BARCELONA, N. Y., 58 ... a from

FREDONIA, three miles from Dun-kirk, with which it is connected by a plank-road, is handsomely situated, being elevated about 100 feet above Lake Eric. It contains about 2,300 inhabitants, 300 It contains about 2,300 inhabitants, 300 dwelling-houses, five churches, one bank, an incorporated academy, four taverns, twenty stores, besides some mills and mauufacturing establishments situated on Canadoway Creek, which here affords good water-power. In the village, near the bed of the creek, is an inflammable arrange from which excepts a sufficient spring, from which escapes a sufficient quantity of gas to light the village. A gasometer is constructed which forces the gasometer is constructed which forces the gas through tubes to different parts of the village, the consumer paying \$4 per year for each burner used. It is also used for lighting the streets of the village. The flame is large, but not so et ong or brilliant es that obtained free, yas in our cities; it is, however, in high wor with

Buffa State. resort navig good gas; about

pipes NIA," miles on a l of the Erie, durin gaven felled turne 10th, which relics. from Frence tains three eive

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efuge this harbor nd is much resortby ateamera and e prevalence of

orporated in 1837, 4,000 inhabitants, five churches, a 20 stores of differal extensive storeng establishments. Line Railroad, exins through Dune Lake Shore line onnection with the o the city of New lvantages to this ubt destined to intrade of the lake

oiles from Duns connected by a ely situated, being t above Lake Erie. 0 inhabitants, 300 nurches, one bank, my, four taverns some mills and ments situated on the village, near is an inflammable is an inflammable scapes a sufficient to the village. A d which forces the aging \$4 per year. It is also used for the village. The tag of the village. The village village village.

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Buffalo, is the westernmost village in the State. It is a port of entry, and is much resorted to by steamers and large vessels elevated 28 feet, and is visible for nine navigating the lake, affording a tolorably good harbor, where is situated a lighthouse which is lighted by infiammable gas; it escapes from the bed of a creek about half a mile distant, and is carried in pipes to the light-house.

Efric, "THE LAKE CITY OF PENNSTLYA-WIA," distant 90 miles from Buffalo and 95 miles from Cleveland, is beautifully situated on a bluff, affording a prospect of Presque Itale Bay and the Lake beyond. It has one of the largest and best harbors on Lake Erie, from whence sailed Perry's fleet during the war of 1812. The most of the vessels were here built, being finished in seventy days from the time the trees were felled; and here the gallant victor returned with his prizes after the battle of light-house time that the seventy days from the time the trees were felled; and here the gallant victor returned with his prizes after the battle of light propulation estimated at 3,500. The seventy days from the time the trees were felled; and here the gallant victor returned with his prizes after the hattle of Lake Erie, which took place September 10th, 1813. The remains of his fiag-ship, the Lawrence, lie in the harbor, from which visitors are allowed to cut pieces as relics. On the high bank, a little distance from the town, are the ruins of the old French fort, Presque Isle. The city contains a court-house, mine churches, a bank, three hotels, a ship-yard, several extensive manufacturing establishments, and about 10,000 inhabitants. In addition to the Lake Shore Rairoad, the Philadelphia and Eric Raiiroad* terminates at this place, affording a direct communication with New York, Philadelphia and Eric Raiiroad* terminates at this place, affording a direct communication with New York, Philadelphia and Eric Raiiroad* terminates at this place, affording a direct communication with New York, Philadelphia and Eric Raiiroad* terminates at this place, affording a direct communication with New York, Philadelphia and Eric Raiiroad the Philade

and Eric Railroad* terminates at this place, affording a direct communication with New York, Philadelphia, and Baltimore.

Presque Isle Bay is a lovely sheet of water, protected by an island projecting into Lake Eric. There is a light-house on the wost side of the entrance to the bay, in lat, 42°8' N.; it shows a fixed light, elevated 93 feet above the surface of the

• This great line traverses the Northern and Northwest counties of Pennsylvania to the city of Erie on Lake Erie. It has been leased by the Pennsylvania Raliroad Company, and under their analysics is being managed throughout its entire length, 451 miles.



is built rises abruptly from the lake level, where stands a light-house, near the en-trance into the harbor, from which an extensive and magnificent view is obtained, overlooking the city, the meaudering of the Cuyahoga, the line of railroads, the ship-ping in the harbor, and the vessels pass-ing on the Lake.

The city is regularly and beautifully laid out, ornamented with numerous shade-

"Forest City." Near its centre is a large public square, in which stands a beautiful marble statue of Commodore Oliver H. PERRY, which was inaugurated Sept. 10, PERRY, which was inaugurated Sept. 10, 1860, in the presence of more than 100,000 people. It commemorates the glorious achievement of the capture of the British fleet on Lake Erie, September 10th, 1813. Cleveland is the mart of one of the greatest grain-growing States in the Union, and has a ready communication by railroad with New York, Boston, and Philadelphia on the east, while continuous lines of railroads run south, and west to the confines of settlement in Kansas and Nebras. fines of settlement in Kansas and Nebras-ka. It is distant 185 miles from Buffalo, 135 miles from Columbus, 107 miles from Toledo, and 144 miles from Pittsburgh by railroad route; 120 miles from Detroit by steamboat route.

steamboat route.

It contains a County Court-House and
Jail, City Hali. U. S. Custom-House and
Post Office building; I Theatre; a Library
Association with a public reading-room;
2 Medical Colleges, 2 Orphan Asylume,
35 Churches of different denominations;
4 Banks, a Savings Bank, and 2 Insurance
Companies, also numerous large meants Perry Monument, Erected Sept. 10, 1860.

Cleveland, "THE FOREST CITY," Cuyahoga County, Ohio, is situated on a plain, elevated 80 feet above the waters of Lake Erie, at the mouth of the Cuyahoga river, which forms a secure harbor for vossels of a large class; being in N. lat, 41° 30′, W. long. 81° 42′. The bluff on which is profit, er with and ca favore Seas o The Hotel, Johnsu ing lar

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Port

from the lake level, house, near the enor, from which an te meandering of the railroads, the ship-d the vessels pass-

ly and beautifully ith numerous shade-takes the name of its centre is a large h stands a beautiful modore OLIVER H. augurated Sept. 10, f more than 100,000 prates the glorious ptember 10th, 1813. of one of the greatication by railrosd on, and Philadelphia continuous lines of nd west to the con-Kansas and Nebras-miles from Buffslo, bus, 107 miles from from Pittsburgh by iles from Detroit by

y Court-House and Custom-House and Theatre; a Library blic reading-room; Orphan Asylums, ent denominations; nk, and 2 Insurance nk, and 2 insurance ierous large manu-embracing iron and ouilding, &c.; Gas-and two City Rail-es stores and ware-and many of them locates of 56,000 inidly increasing in The Lake Superior reat advantage and

profit, while the other lake traffic, together with the facilities afforded by railroads on Lake Superior, altogether transporting and canals, makes Cleveland one of the an immense amount of merchandise, grain, favored cities bordering on the Inland Seas of America.

The principal Hotels are the American Hotel, Kennard House, Forest City House, Johnson House, and Weddell House; all be-ing large and well-kept public houses.

RAILEOADS DIVERGING FROM CLEVELAND.

- 1. Cleveland and Erie, 95 miles in length. 2. Cleveland, Columbus, and Cincinnati, 135 miles.
- 3. Cleveland and Toledo, Northern Division, 107 miles.
- 4. Cleveland and Mahoning, 67 miles

bata wiend iumber, iron, and copper ore. The regis-tered Tonnage of this port, in 1861, was

tered Tonnage of this port, in 1801, was 82,518 tons.

The Northern Transportation Company of Ohio has its principal office in Cieveland. The Company owns 15 propellers of about 350 tons burden, running from Ogdensburgh and Oswego to Cleveland, Toledo, Detroit, Milwaukee, and Chicago.

This line affords a chean and appedy route. This line affords a cheap and speedy route for travellers and emigrants, as well as for the transportation of merchandise and produce.

The Cleveland Iron Mining Company, with a capital stock of \$500,000, has its 4. Cleveland and Mahoning, 67 miles finished.
5. Cleveland and Pittsburgh, connecting with Wheeling, Va., 200 miles.
6. Cleveland, Zanesville, and Cincinnati, 87 miles; diverging from Cleveland and Pittsburgh R. R. at Hudson.
7. Atlantic and Great Western Railway, connects with New York and Eric Railroad, forming a through line of travel.

Stramers and Propeliers of a large class leave daily, during the season of navigation, for Buffalo, Toledo, Detroit, Mackinac, Green Bay, Milwaukes, Chicago, hours are proported and manufactured into merchantable iron.

stemmont It		cieveiana to De	troit.
Ports, etc.	Miles.	Ports, etc.	Miles
2			
CLEVELAND, Ohio	0	Windson C W	• • • • • • • • • • • • • • • • • • • •
Point Peice Is., and Light.		Fighting Island	
Point Peiée Is., and Light. Bar Point, C. W. Bois Blanc Is Light	97	Fish Island	************
Bois Blanc Is Light, Detroit River.		Wagndotte Mich	
Detroit River. Malden, C. W. Gibraltar, Mich	100	Mama Tuba Ta and 71 14	1
Malden, C. W	101	Comme o a bes 18, wild Tight	1
Gibraltar, Mich		Clibralian Mile	1
Gibraltar, Mich	100	Malar, Mich	
Maina Juba Is, and Light	100	maraen, U. W	1
Woundotte Mich	100	Bois Blanc Is. Light, [. 00
Figh Island Light		Lake Erie,	
Fish Island Light		Bar Point, C. W	2
Windows C M		Point Peloe Island	6
Mighting Island		CLEVELAND.	120
DETROIT	120	FASE, \$3 00. USUAL	Time 7 hours.

BLACK RIVER, 28 miles from Cleve-land, is a small village with a good har-bor, where is a ship-yard and other manufacturing establishments.

VERMILION, 10 miles farther on the line of the Cleveland and Toledo Railroad. is a place of considerable trade, situated at

the mouth of the river of the same name.

Huron, Ohio, 50 miles from Cleveland and 10 miles from Sandusky, is situated at the month of Huron River, which effords a good harbor. It contains several churches, 15 or 20 stores, several warehouses, and about 2,000 inhabitants.

The islands lying near the head of Lake Erie, of Sandusky, are Kelley's Island. NORTH BASS, MIDDLE BASS, and SOUTH Bass islands, besides several smaller islands, forming altogether a handsome group. Kelley's Island, the largest and most important, is famous for its grape culture, and has become a place of sum-mer resort by the citizens of Ohio and other States. On the north side of South Bass Island, lies the secure harbor of Put-in-Bay, made colebrated by being the rendezvous of Com. Perry's flotilla before and after the decisive battle of Lake Erie, which resulted in the capture of the entire British fleet.

NAVAL BATTLE ON LAKE ERIE.

September 10th, 1813, the hostile fleets of England and the United States on Lake Erie met near the head of the Lake, and Erie met near the head of the Lake, and a sanguinary battle ensued. The freet bearing the "red cross" of England consisted of six vessels, carrying 64 guns, under command of the voteran Com. Barclay; and the fleet bearing the "broad stripes and bright stars" of the United States, consisted of nine vessels carrying 54 guis, under command of the young and inexperienced, but brave, Com. Oliver H. Perry. The result of this important conflict was made known to the

"Dear General: We have met the enemy, and they are ours: Two ships two brigs, one schooner, and one sloop. With esteem, etc., O. H. PERRY "Gen. William H. Harrison."

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Sandersky, "The Bay City" capita of Eric Co., Ohio, is a port of entry and a place of considerable trade. It is ad vantageously situated on Sandusky Bay, three miles from Lake Erie, in N. lat. 41^e 27', W. long. 82^a 45'. The bay is about 20 miles long, and five or six miles in width, forming a capacious and excellent harbor, into which steamers and vessels foll gives the tractical tractics. of all sizes can enter with safety. The average depth of water is from ten to twelve feet. The city is built on a bed of limestone, producing a good building material. It contains about 10,000 in habitants, a court-house and jail, eight churches, two banks, several well-kept hotels, and a number of large stores and hotels, and a number of large stores and manufacturing establishments of different kinds. This is the terminus of the Sandusky, Dayton, and Cincinnati Raitroad, 153 miles to Dayton, and the Sandusky, Mansfield, and Newark Raitroad, 116 miles in length. The Cleveland and Toledo Railwood. road, northern division, also terminates

Toledo, one of the most favored Cities of the Lakes, is situated on the Maumee river, four miles from its mouth, and ten miles from the Turtle Island Light, at the outlet of the Maumee Bay into Lake Eric. The harbor is good, and the navigable channel from Toledo of sufficient depth for all steamers or sail vessels navigating the lakes. Toleco is the eastern terminus of the Wabach and Eric Canal, United States, consisted of nine vessels carrying 54 guns, under command of the young and inexperienced, but brave, Com. Ohio River at Evansville, a distance of Oliver H. Ferry. The result of this important conflict was made known to the world in the following laconic dispatch, written at 4 P. M. of that day: running through the Maumee and Wabash

We have met the ours: Two ships er, and one sloop. O. H. PERRY Tarrison."

E BAY CITY" capita a port of entry and le trade. It is ad on Sandusky Bay, Erie, in N. lat. 41

The bay is about five or six miles in scious and excellent eamers and vessels with safety. The ter is from ten to is built on a bed of a good building use and jail, eight , several well-kept of large stores and shments of differthe terminus of the Cincinnati Railroad and the Sandusky, Railroad, 116 miles on, also terminates

the most favored is situated on the iles from its mouth, Turtle Island Light, Maumee Bay into oor is good, and the Toledo of sufficient or sail vessels navi-ledo is the eastern wh and Eric Canal, anmee and Wabash icating with the the Miami and branches from the west of Tolede, and rough the Miami

Valley in Western Ohio, and communi- but many portions of the States of Ken-sates with the Ohio River at Cincinnati, tucky, Tennessee, and Missouri, find Toforming together the longest line of canal cavigation in the United States.

The railroads diverging from Toledo are the Michigan Southern and Northern Indiana Raitroad, running through the southern counties of Michigan and the northern counties of Indiana, and making its western terminus at Chicago, Illinois, at a distance of 243 miles; the Air Line Railroad, running due west from Toledo, through Northwestern Ohio and the northern counties of Indians to Goshen, a distance of 110 miles, where it connects with the Northern Indiana Railroad, running to Chicago; and the Detroit, Morroe, and Toledo Railroad. It is also the eastern terminus of the Toledo, Wabash, and Western Railroad, running in a southwesterly direction through the Maumee and Wabash valleys consists the case. and Wabash valleys, crossing the east-ern line of the State of Illinois, about 125 miles south of Chicago, and continuing in a south of Chicago, and continuing in a south estart ourse through Danville, Springfield, Jacksonville, Naples, etc., in Central Illinois, to the Mississippi River, and connecting with the Hannibal and St. Joseph Road, which stretches nearly due west through the State of Missouri to St. Joseph, on the Missouri River. The Dayton and Michigan Railroad, which connects Toledo with Cincinnati, is much the shortest railroad line connecting Lake Erie with the Ohio River. Besides the above important roads, the Cleveland and Toledo Railroad terminates

here.

Toledo is the nearest point for the immonse country traversed by these canals and railroads, where a transfer can be made of freight to the more cheap transportation by the lakea, and thence through the Eric Canal, Welland Canal, or Oswego Canal, to the seaboard. It is not merely the country travers'd by these canals and railroads that send their products, and receive their merchandise, through Toledo, esive their merchandise, through Toledo,

ledo the cheapest and most expeditious lake port for the interchange and transfer of their products and merchandise.

This city is the capital of Lucas County. Ohio, where is situated a court-house and jail, several fine churches, a magnificent High School edifice, and five large brick ward school houses; a young men's association that sustains a course of lectures during the winter; two banks, two insurance companies, six hotels, and a great number of stores and storehouses; also several extensive manufacturing es-

also several extensive manufacturing establishments. The principal hotels are the Island House and Oliver House.

The population of Toledo in 1850 was about 4,000, and now it is supposed to contain 30,000 inhabitants, and is rapidly increasing in wealth and numbers. The shipping interest is increasing, here being trans-shipped annually an amount of grain exceeded only by Chicago, and other kinds of agricultural products of the great West. This city is destined, like Chicago, to export direct to European ports. to export direct to European ports.

At this time there are in process of e ection in Toledo many handsome dwellings, numerous handsome blocks of stores, a post-office and custom-house by the general government, and a first-class hotel; theae two latter buildings, from the plana we have seen, would do credit to any city, and when completed can be classed among the nust elegant struc-tures. No city in the State can boast of finer private residences than Toledo; and the general character of the buildings erected in the past four years la substan-tial and elegant.

mills, a tannory, and aever. Ther manulantrance into Lake Erie, and about 40 facturing establishments. Spulation miles from Detroit. It is connected with about 1,500. Here is the land of steamboat navigation on the Maumes River, nus of the Michigan Southern Railroad, affording thus far a sufficient depth of water for steamers of a large class.

water for steamers of a large class.
Old Fort Meigs, famous for having withstood a siege by the British and Indiana in 1813, is one mile above this place.
MAUMEE CITY, Lucas Co., Olio, is a port of entry, situated on the Maumee River, opposite Perrysburgh, at the foot of the rapids and at the head of navigation, nine miles above Toledo. A side cut here connects the Wahash and Fire the representation of the rapids and state of the representation. cut here connects the Wabash and Eric Canal with the river. The Toledo and Illinois Railroad also passes through this place. It contains five churches, ten stores, four flouring-mills, three saw-mills, one oil-mill, and other manufacturing establishments propelled by water-power, the supply being here almost inexhausti-ble. Three miles above the city is the site of the ilmous battle fought against the Indians by Gen. Wayne, in 1794, known as the Battle of Miami Rapids. One mile below the town is Old Fort

Miami, one of the early British posts.

MAUMEE RIVER rises in the northeast part of Indiana, and flowing northeast enters Lake Erie, through Maumee Bay. It is about 100 miles long, navigable 18 miles, and furnishing an extensive waterpower throughout its course.

The City of MONEOE, capital of Monroe world. The Co., Mich., is situated on both sides of inhabitants.

which extends west, in connection with the Northern Indiana Railroad, to Chicathe Northern Indiana Rairoad, to Unicago, Ill. The town contains about 4,000
inhabitants, a court-house and jail, a
United States land-office, eight churches,
several public houses, and a number of
large stores of different kinds. Here are large stores of different kinds. Here are two extensive piers, forming an outport at the mouth of the river; the railroad track running to the landing. A plankroad also runs from the outport to the city, which is an old and interesting locality, being formerly called Frenchiown, which was known as the scene of the battle and massacre of River Raisin in the war of 1812. The Detroit, Monroe, and Tabelo Railroad, just completed, passes Toledo Railroad, just completed, passes through this city. Steamers run from Detroit to Toledo, stopping at Monroe.

TRENTON, situated on the west bank of

Detroit river, is a steamboat landing and a place of considerable trade. Population,

1,000.

WYANDOTTE, ten miles below Detroit, is a new and flourishing manufacturing village, where are located the most extensive Iron Works in Michigan. The iron used at this establishment comes mostly from Lake Superior, and is considered equal in quality to any in the world. The village contains about 1,600 inhabitant.

Railroad Route around Lake Eric.

This important body of water being encompassed by a band of iron, we subjoin the following Table of Distances:

Miles Buffalo to Paris, C. W., via Buffalo and Lake Huron Railroad, Paris to Windsor or Detroit, via Great Western Railway, 84

and Toledo R. R.,
Toledo to Cleveland, via Cleveland and
Toledo R. R.,
Cleveland to Erie, Pa., via Cleveland
and Erie R. R.,
Erie to Buffalo, via Lake Shore Road, 88 Total miles,

The e River to di

The nication State of Beaver, Pittabur Cross-C tension on the where it Clevelan from Be 3. The Portsmo State, 30 the Wa Dayton, mouth o 247 mile ness of ness for free fro ent busi they m
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The extreme length of Lake Erie is lake about 560 miles, being about 100 250 miles, from the mouth of Niagara miles less distance than has been stated River to Maumee Bay; the circuit of the by some writers on the great lakes.

Ohio River and Lake Eric Canals.

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where it unites with the Portsmouth and Where it unites with the Fortsmouth and Cleveland Canal—making a causi route from Beaver to Cleveland of 143 miles.

3. The Ohio Canal, from Cleveland to Portsmouth, through the centre of the State, 309 miles. 4. The Miumi Extension, which is a union of the Miami Canal with the Wabash and Eric Canal, through Dayton, terminating at Toledo, at the mouth of the Maumee River on Lake Eric,

The completion of the MIAMI CANAL | which will render it one of the strongest The completion of the MIAMI CANAL which will render it one of the strongest makes four distinct channels of communication from the Ohio River through the State of Ohio to Lake Erie, namely:

1. The Erie Extension Canal, from Beaver, twenty or thirty miles below is of the fort, as is well known, is in Springwells, about three miles below the city of Detroit. Its location is admirable, pittsburgh, to Erie, 136 miles. 2. The Cross-Cut Beaver Canal, which is an extension or branch from Newcastle, Pa., on the Beaver Canal, to Akron, Ohio, where it units with the Portsmouth and lased there could effectually blockade site of the fort, as is well known, is in Springwells, about three miles below the city of Detroit. Its location is admirable, being on a slight eminence, completely commanding the river, which at that point is narrower than in any other place of its entire length. Guns properly placed there could effectually blockade the river against ordinary vessels, and, with the aid of a few gunboats, could repulse any fleet which might present itself. self.

The present works were erected about the years 1842-'43, mainly under the su-pervision of General Meigs. The form of the works is that of a star, mounting thirty-two barbette guns at the angles mouth of the Maumee River on Lake Erie, 247 miles. The vast and increasing business of the Ohio Valley may furnish business for all these canals. They embrace rich portions of Pennsylvania, Ohio, and Ind'ana; but are not so located as to be free from competition with one another. At no distant time, they would unquestionably command a sufficient independent business, were it not probable that they may be superseded by rallways. The capacity of railways—both for rapid ind cheap transportation—as it is developed by oircumstances and the progress of science, is destined to affect very materially the value and importance of canals. will not be removed, and which will not of science, is destined to affect very materially the value and importance of canals.

Fort Wayne.

The United States Government is now engaged in making extensive improvements at Fort Wayne, below Detroit, in thickness, and twenty feet in height on every side. The outside facing, two feet in thickness, is of brick, the remainder is filled in with pounded stone, water-lime,

n connection with Railroad, to Chicatains about 4,000 house and jail, a ce, eight churches, and a number of t kinds. Here are t kinds. Here are orming an outport river; the railroad anding. A plank-he outport to the and interesting lo-called Frenchtown, the seems of the of River Raisin in Detroit, Monroe, and completed, passes completed, passes steamers run from ping at Monroe. n the west bank of

rie, and about 40 t is connected with al, and is a termi-

Southern Railroad,

amboat landing and trade. Population, les below Detroit, is ing . manufacturing in Michigan. The tablishment comes perior, and is con-lity to any in the ontains about 1,600

le. Miles. io, via Detroit is Cleveland and 107 , via Cleveland

ke Shore Road, 1 88

sand, and mortar, making a solid wall of great strength. From the nature of the surrounding grounds, artillery cannot be brought to bear upon the wall, with the exception of about two feet at the tep, which extends above the level of the ditch. The wall, therefore, could not be battered down, and the only possible way by which the place could be taken would be by a land assault and scaling the walls from the moat by means of ladders. This is effectually provided against by the placing of the guns, eight of which rake the moat on each side. The improvements now being made still further contemplate placing these guns in casemates,

TABLE OF DISTANCES

FROM CLEVELAND AND DETROIT TO SUPERIOR CITY, FORMING A GRAND STEAMBOAT EXCURSION OF OVER TWO THOUSAND MILES.

Porte, &c.	Place	to Place	Miles.	Porte, &c.	Place	to Place.	Miles
CLEVELAND, Ohio		0	0	SUPERIOR City, Wis		0	0 "
Malden, C. W			100	Point de Tour		70	70'8
DETROIT, Mich		20	120	Bayfield, Wis		10	80 =
Lake St. Clair		7	127	La Pointe "		4	84
Algonac, Mich		83	160	Ontonagon, Mich		74	158
Newport, "		6	166	Eagla River "		60	216
St. Clair, "		10	176	Kagle Harbor "		10	228
POST HURON "		**	198			16	. 244
Port Sarnia, C. W	• • • •	17	198	Manitou Island		15	259
Point an Barone-	4	^-	260			55	814
Off Saginaw Bay	• • • •	67	200	Houghton, Mich	(on)	Portage	
Thunder Bay Island		75	835	Marquette "	(011	70	884
Point de Tour				Grand Island	• • • • • •	40	424
St. Mary's River		85	420	Pictured Rocks	• • • • • •	10	484
Church's Landing		86	456	Point au Sable		20	454 10
SAUT STR. MARIE		14	470	White Fish Point	• • • • •	50	504
Point Iroquois	• • • •	15	485	Point Iroquois		25	529
White Fish Point	• • • •	25	510	SAUT STE. MARIE	• • • • • •	15	
Point su Sabie	• • • •	50	560	Church's Lending	• • • • • •		544
Pictured Rocks	• • • •	20		Point de Tour.	• • • • • •	14	558
Oward Island	• • • •	10	590	Lake Huron.		86 *	594
Grand Island	• • • •	40	680				2000
Marquette, Mich	• • • •			Thunder Bay Island	• • • • •	85	679
Portage Entry	· · · · ·	70	700	Off Saginaw Bay		75	754
Houghton, Mich	(on				• • • • • • • • • • • • • • • • • • • •		(i) July H
Manitou island	• • • •	55	755	Port Sarnia C. W.		67	821 N
Copper Harbor		15	770				
Ragle Harbor		16	786	St. Clur, Mich		17	888
Engle River		10	796	Newport "		10	849
Ontonagon, Mich		60 .	856	Algenac, Mich		6	854
La Pointe, Wis		74	980	St. Ctair Flats		10	864
Bayfield, Wis		4	984	DETROIT, Mich		80	994 1
Point de Tour		10	94 :	Malden, C. W		20	* *** 914 F.
Superior, City, Wis		70	1,014	CLEVELAND, Ohio		100	1,016

a port of river or some 30 ing seve St. Clair the rive It exten a mile u river, w of a mil and privare locat avenues, angles, t edge. sail voss unloadin Eastern giving a place, wh the Strai being no governed of aldern State-hou fine view cinity; the men's Ha Hall, the two Mari Hotels, I United

office, at asylums,

still more recure. d gunners. Barmounted on the ho casemate guns, a manner similar are now placed. greatly strengthr them more pern important one, le clearly shows. Great Britain it thest importance. it is the best time vements.

GRAND STEAM-

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	60		21	
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	55		81	
(on	Por	tage		
	70		88	10
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	10 20		48	4/8
*****	50		. 50	
	25		. 52	9
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• • • • •	14		- 55	-
	86	40	. 99	4 18
	85	13	67	9
	75			D.
	10		1: 10	J.H
	67		B2	
	17		- 89	81
	10			9 7
	6		86	
	10 80		86	
	20			475
	100		1.01	



Detroit, "The City of the Straits," ship-yards and machine-shops, where are a port of entry, and the great commercial bult and repaired vessels of almost every mart of the State, is favorably situated in N. 'lat. 42' 20', W. long. 82° 58', on a 45,619. Estimated in 1867, 75,000. river or strait of the same name, elevated some 30 or 40 feet above its surface, being seven miles below the outlet of Lake St. Clair and twenty above the mouth of the river, where it enters into Lake Erie. It extends for the distance of unward of!

It extends for the distance of unward of!

Detroit may be regarded as one of the St. Clair and twenty above the mouth of the river, where it enters into Lake Erie. It extends for the distance of upward of a mile upon the southwest bank of the river, where the stream is three-fourths of a mile in width. The principal public and private offices and wholesale stores are located on Jefferson and Woodward avenues, which cross each other at right angles, the latter running to the water's edge. There may usually be seen a great number of steamboats, propellers, and sail vessels of a large class, loading or unloading their rich cargoes, destined for Eastern markets or for the Creat West, giving an animated appearance in this place, which is aptly called the City of the Straits. It was incorporated in 1816, being now divided into ten wards, and governed by a mayor, recorder, and board of aldermen. Detroit contains the old State-house, from the dome of which a fine view is obtained of the city and vicinity; the City Hall, Masonic Hall, Firemen's Hall, Mechnic's Hall, Odd Fellows' Hall, the Young Men's Society Building, two Market Buildings, forty Churches, ten Ifotels, besides a number of taverns; a United States Custom-house and Post-office, and United States Lake Survey office, a theatre, a museum, two orphan! This important road, running across the

institute, water-works, and gas-works, four grain elevators, five steam grist-mills, and several steam grast-mins, and several steam saw-mills, besides a great num-ber of other manufactur-ing establishments. There are also several extensive

office, a theatre, a museum, two orphan 'This important road, running across the asylums, four banks, and a savings' fund State from east to west, connects at

runs through a rich section of country to Grand Haven, on Lake Michigan, op-

posite Milwaukeo. Wis

4. The Grand Trunk Railway runs from
Detroit to Port Huron, Mich., 62 miles, extending from Sarnia, Canada, to Toronto,
Montreal, Quebec, and Portland, Me.
Length from Detroit to Portland, 861 miles.

thence to Eastern cities of the U. States. Steamers of a large class run from Detroit to Cleveland, Toledo, and other ports on Lake Erie; others run to Port Huron, Saginaw, Goodrich, C. W., and other ports on Lake Huron.

on Lake ituron.

The Lake Superior line of steamers running from Cleveland and Detroit direct for the Sant Ste. Marie, and all the principal ports on Lake Superior, are of a large class, carrying passengers and freight. This has become one of the most fashionable and healthy convenience on the conable and healthy excursions on the con-

tinent.

The Detroit River, or Strait is a noble stream, through which flow the surplus waters of the Upper Lakes into Lake Erie. summer, there being here located good will to two miles in length, and from half a mile to two miles in width, forming the boundary between the United States and Canada. It has a percentible current, and on the "Griffin." the first vessel that

Michigan City, Ind., with the New Albany and Salem Railroad—thus forming Clay, Celeron, Hickory, Sugar, Bois Blanc, a direct line of travel to Louisville, St. Louis, etc., as well as Chicago and the Far West.

West.

3. The Detroit and Milwaukee Railroad runs through a rich section of country to troit, near the entrance to Lake St. Clair, where Laves quantities of white St. where large quantities of white-fish are annually taken.

posite Milwaukeo. Wis

4. The Grand Trunk Railway runs from Detroit to Port Huron, Mich., 82 miles, extending from Sarnia, Canada, to Toronto, Montreal, Quebec, and Portland, Me. Ength from Detroit to Portland, 861 miles.

5. The Grant Western Railway of Canada has its terminus at Windsor, opposite Detroit, the two places being connected by three steam forries—thus affording a speedy line of travel through Canada, and thence to Eastern cities of the U. States.

Steamers of a large class run from Details of the Sarnia of the Sarnia of the St. Clair." Another author says: "The king and lord of all this country lived in no. Jyal state. His cabin was a small, oven-shaped structure of bark and rushes. Here he dwelt with his sunway and children; and here, doubtless, squawe and children; and here, doubtless, lie might often have been seen carelessly reclining his naked form on a rush-mat or, a bear-skin, like an ordinery Indian war-

The other fifteen islands, most of them small, are situated below Detroit, within the first twelve miles of the river after, entering it from Lake Erie, the largest of which is GROSSE ISLE, attached to Michigan, on which are a number of extensive and well-cultivated farms. This island

mile to two miles in width, forming the boundary between the United States and Canada. It has a perceptible current, and is navigable for vessels of the largest class. Large quantities of fish are annually taken in the river, and the sportsman usually finds an abundance of wild ducks, which breed in great numbers in the marshes bordering some of the islands and harbors of the coast.

There are altogether seventeen Islands

commend through Saginaw, river. I Flint and 150 miles OWASS 110 miles

charmin COMPAR

The

Lakes a

Albany, I Troy, Mo Boston, C New Yor Brooklyn Philadelp Chelnnai Lake Out Detrolt, I Cleveland Montreal,

Of th

Douglas says: " city wa cities, du the fact

material

DETRO

On le west dire ing thre

country. The r FENTONV

C

es of these are, Sugar, Bois Blanc, Isle, Stoney, Fight-dy, Grassy, Mud, Pêche. The two miles above De-to Lake St. Clair, of white-fish are

ed to Canada, was rated Indian chief, is "History of the " says: "Pontiac, "says; "Pontacy
paradise, was acearly part of the
land at the openAnother author
lord of all this
al state. His cabin aped structure of he dwelt with his nd here, doubtless, en seen carelessly n on a rush-mat or inerv Indian war-

nds, most of them w Detroit, within of the river after, the largest of attached to Michimber of extensive rms. This island opular retreat for ring the heat of nere located good accommodation of

o was a passenger first vessel that 679, in his descripng the route says: nest in the world; han Niagara; the ws, and the prossome hills covered bearing good fruit, well disposed that

The following Table shows the solid matter in a gallon of water, taken from Lakes and Rivers in different cities:

Albany, Hudson River	6.89
Troy, Mohawk River	7.89
Boston, Cochituate Lake	1.81
New York, Croton River	6.90
Brooklyn, L. I. Ponds	9 96
Philadelphia, Schnylklil R.	4 984
Cincinnati, Ohio River	8 79
Lake Outario	A 1A
Detroit, Detroit River	4.643
Cleveland, Lake Erie	5.000
Montresi, St. Lawrence R	5.000
1	••••

Of the Detroit River water, Prof. Douglass, in his report of the analysis, says: "In estimating the value of your city water, as compared with other cities, due allowance must be made for the fact, that the total solid matter is materially increased by the presence of

one would think that Nature alone could not have made, without the help of art, so charming a prospect.

COMPARATIVE PURITY OF DETROIT RIVER WATER.

The following Table shows the solid matter in a gallon of water, taken from Lakes and Rivers in different cities: sandstone and igneous rock."

Nora.—The purity of the waters of Lake Superior, probably exceeds all other bodles of water on the face of the globe, affording a cool and delightful beverage at all seasons.

Comparative Increase of Lake Cities.

4	1840.	1850.	1860.
BUFFALO, New York	18,213	42,261	81.181*
	4.470	28,260	109,263
CLEVELAND, Ohio	6,071	17,094	36,0541
Dernom Mich	9,102	21,019	45,619
Karr Penn		5,858	9.419
MILLWAUREE, WIS	1.700	20,061	45,254
OSMEOO' NGM. ZOLK		12,205	16,817
		5,10T	:10,000
SANDUSKY, Obio	1,434	6,008	8,406
Toleno, Ohio	1,222	8,829	18,768
* Black Rock annexed.	† Onto	City at	nexed.
	CHIOAGO, III CLEVELAND, Ohlo DETROUE, Mich EAIE, Penn. MILWAUERE, WIS. OSWEGO, NEW-YORK BAOINE, WIS SANDUSKY, Ohlo. TOLEDO, Ohlo.	BUFFALO, New YORE. 18,213 CHIDGAO, III. 4,470 CLEWELATH, Ohio 6,071 DETROOT, Mich. 9,109 EATE, Penn. 1,700 OSWEGO, New-YOYE RAOTER, WIS. 1,430 SANDUSKY, Ohio 1,434 TOLERO, Ohio 1,232	BUFFALO, New York. 18313 42341 CHIDAGO, III. 4470 38.390 CLEWRLAYE, Ohlo 6,071 17,084 DWTROTE, Mich. 9,102 21,019 EAIR, Penn. 4888 Milwacker, Wis. 1,700 20,061 Cowwoo, New York. 12,205

DETROIT AND MILWAUKEE RAILROAD AND STEAMSHIP LINE.

CONNECTING WITH THE GREAT LINES OF TRAVEL EAST AND WEST.

On leaving the Railroad Depot at De- tant station, from whence a railroad extends

On leaving the Railroad Depot at Detroit the line of this road runs in a northwest to Lansing, the capital of the west direction to Pontiac, 26 miles, passing through a rich section of farming country.

The route then continues westerly to Fenton 12. It is intended to saginaw frough Flint, and extending north to Saginaw, favorably situated on Saginaw river. It is intended to continue the Fint and Fere Marquette Railroad, some 150 miles, to the shore of Lake Michigan.

Owasso, 78 miles from Detroit, and 110 miles from Grand Haven, is an importion.

"Up in the northern part of the Grand River Valley, and along and beyond the Muskegen River, an immense amount of pine timber is to be found, giving profitable mapk yment to a large number of Larbormen."

Steamboat Route from G: and Rapids to Grand Haven.

GRAND Rapids.

O Bagle Plaster Mill.

Grandville.

15 7

hrand Rapids, 158 miles west introit, and forty miles above front Maven, an incorporated city, is fiverable situated on both banks of Grand tiver, where is a fall of about eighteen ntiver, where is a fall of about eighteen feet, affording an immense water-power. Steamers run from this place daily to Grand Havon, connecting with steamers for Milwaukee, Chicago, and other ports on Lake Michigan. Hore is an active population of about 10,000, and rapidly increasing, surrounded by a new, fertile, and improving country, being alike and improving country, being alike famous as a wheat and fruit region.

The city now contains a court-house and jai; 6 churches; 5 hotels; 60 stores of different kinds; 3 grist-mills; 5 saw-mills; 3 cabinet-ware factories; 2 machineshops, and other manufacturing establish-ments. The private dwellings and many ments. The private dwellings and many of the stores are elegant edifices, constructed of building material which is found in the immediate vicinity. Extensive and inexhaustible beds of gypsum are found near this place, producing large quantities of stucco and plaster, all of which find a ready sale in Eastern and Western markets. It is estimated that 25,000 tons of stucco for building and Western markets. It is estimated that 25,000 tons of stuceo for building, and plaster for fertilizing purposes, can be quarried and ground yearly from the different quarries in this vicinity. At the Eagle Mills, two miles below the city, is already formed an immense excavation, extending several hundred feet under ground, which is well worthy of a visit, where rich specimens of the gypsum can be obtained. be obtained.

GRAND RAPIDS		0
Facia Plaster Mill		2
Grandville	5	7
Lamont.	13	20
Eastmanville	2	22
Mill Point	16	38
GRAND HAVEN	2	40

On leaving Grand Rapids for Grand Un leaving orang Rapids for Franci Haven, by railroad, the route extends north of the river, through a fertile section of country, mostly covered by a heavy growth of hardwood, although the pine predominates as you approach the lake ahore.

ahore.

Grand Haven, Ottawa Co.,
Mich., is situated on both sides of Ottawa River, near its entrance into Lake
Michigan, hero eighty-five miles wide; on
the opposite side lies Milwankee, Wisconsin. The different settlements, comprising Grand Haven, contain about 3,000
inhabiter. Haven, contain about 3,000

prising Grand Haven, contain about 3,000 inhabitants. Here are a court-house and jail; 3 churches; six hotels and taverns, and a number of stores and warchouses; 8 large steam saw-mills; pail and tub factories, a foundry and machine-shop, and other manufacturing establishments. Steamers and sail vessels run from Grand Haven, which has a well-protected harbor, to Milwaukee, Chiesgo, and other ports on Lake Michigan, carrying a large amount of produce and lumber. The fisheries in this vicinity are also productive and extensive.

ductive and extensive.

The sand hills on the east shore of Lake Michigan rise from 100 to 200 feet, pre-senting a sterile appearance, although the land in the interior is very rich and productive. : 1 30

The Detroit Capt. To Michiga

Nuga stra 6. 1

Detroit trip is usually ful exc arrange together

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rect for Steam sengers almost thence oxcursio autumn For fi

on les a northe three m senting Canadian with dw PECH

of land mouth o and light

Thristing the q Trip across Lake Michigan.

Oapt. Trowell, run twice daily across Lake Michigan, connecting with trains on the Detroit and Milwaukee railroad. This trip is delightful during the summer and autumn months when Lake Michigan is usually calm, affording a safe and delightful excursion of about six hours' contin-

e from Grand

Rapids for Grand he route extends igh a fertile section ered by a heavy although the pine approach the lake

both sides of Ot-

enti ance into Lake lve miles wide; on Milwaukee, Wissettlements, com-

a court-house and hotels and taverns, s and warehouses; nills; pail and tub and machine-shop,

and machine-shop, ag establishments. vessels run from as a well-protected Chicago, and other an, carrying a large and lumber. The nity are also pro-

e east shore of Lake 00 to 200 feet, pre-rance, although the very rich and pro-

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nd Haven.

The staunch and well-built steamships, cities one of the most pleasant and desi-Detroit, Capt. McBrido, and Milwaukee, rable as regards speed and objects of in-Capt. Trowell, run twice daily across Lake terest. Usual fare from Milwaukee to rable as regards speed and objects of in-terest. Usual fare from Milwaukee tu Detroit, \$8,00. Distance, 271 miles; time, 14 hours.

time, 14 nours.

From Milwaukee, westward, there is a direct connection both with the Milwaukes and Prairie du Chien Railroad and the La Crosse and Mitwaukee Railroad runuance. The spacious cabins, and well-ning to the Mississippi River. A drilly arranged dining-saloons of those ships, line of steamers run from the terminate together with the well-provided tables, of both of the above railroads to St. aul, renders this route to and from the Eastern | Minnesota.

TRIP FROM DETROIT TO MACKINAC, SAUT STE. LARTE.

thence passing through the Ship Canal into Lake Superior—forming delightful excursions during the summer and early

During the season of navigation propellers of a large class, with good accommodations for real congers, leave Detroit daily direct for Mackinne, Green Bay, Milwaukee, and Chicago, situated on Lake Michigan.

Staamers of a large class, carrying pasages and freight, also leave Detroit, almost daily for the Saut Ste Marie, from the new of the passing through the Shin Gand. River to the head of Detroit River. Compared with the other lakes it is very shalow, having a depth of only from 8 to 24 feet as indicated by Bayfield's chart. It receives the waters of the Upper Lakes from the St. Clair Strait by several channels forming islands, and discharges them into the Detroit River or Strait. In the autumn months.

For further information of steamboat routes, see Advertisements.

To leaving Detroit the steamers run in a northerly direction, passing Bell or Hog Island, two miles distant, which is about three miles long and one mile bread, presenting a handsome appearance. The Canadian shore on the right is studded with dwellings and well cultivated farms.

PECHE ISLAND is a small body of land attached to Canada, lying at the mouth of Detroit River, opposite which, on the Michigan shore, is Wind-Mill Point and light-house.

LAKE ST. CLAR CONTRACT ST. n the Michigan shore, is Wind-Mill Point gress will no doubt make ample appro-priation soouer or later. The northeastern channel, separating Walpole Island from

Canada side, which is navigable to Chat-ham, some 24 miles; also the waters of Clinton River from the west or American side, the latter being navigable to Mt. Clemens, Michlyan. Several other streams Clemens, Michi'an. Several other streams flow into the lake from Canada, the principal of which is the River Sydenham. Much of the land bordering on the lake is ow and marshy, as well as the islands; and in places there are large plains which

are used for grazing cattle.

Asiler, or New Baltimore, situated on the N. W. side of Lake St. 30 miles from Detroit, is a new and Clair, 30 miles from Detroit, is a new and flourishing place, and has a fine acetion of country in the rear. It contains three steam saw-mills, several other manufactories, and about 1,000 inhabitants. A steamboat runs from this place to Detroit.

MT. CLEMENS, Macomb Co., Mich., is situated on Clinton River, six miles above its entrance into Lake St. Clair, and about 30 miles from Detroit by lake and river.

30 miles from Detreit by lake and river. 30 miles from Detreit by lake and from Detreit during the season of navigation. Mt. Clemens contains the county buildings, several churches, three hotels, and a number of stores and manufacturing establishments, and about 2,000 inhabitants. De-troit is distant by plank road only 20

CHATHAM, C. W., 46 miles from Detroit by railroad route, and about 24 miles above the mouth of the river mues above the mouth of the river Thames, which enters into Lake St. Clair, is a port of entry and thriving place of husiness, where have been built a large number of steamers and sail-vessels.

number of stoamers and sain-vessels.

AIGONAO, Mich., situated near the foot of St. Clair River, 40 miles from Detroit, contains a church, two or three sawmils, a grist-mill, woollen factory, and about 700 inhabitants.

the main Canada shore, is called "Che north, is noted for steamboat building the Ecarte." Besides the waters passing through the Strait of St. Clair, Lake St. Clair receives the river Thames from the workmen. Here are four steam saws workmen. Here are four steam saw; mills, machine shops, etc. Population about 1,200. Belle River here enters the St. Clair from the west.

St. Clair from the west.
St. CLAIR STRAIT connects Lake Huron with Lake St. Clair, and discharges the surplus waters of Lakes Superior, Michigan, and Huron. It flows in a southerly direction, and enters Lake St. Clair by six channels, the north one of which, on the Michigan side is the only one 3 recession. channels, the north one of which, on the Michigan side, is the only one as present navigated by large vessels in ascending and desconding the river. It receives several tributaries from the west, or Michigan; the principal of which are Black River, Pine River, and Belle River, and several rivers flow into it from the east, or Canadian side. It has several fourishing villages on its banks. It is flourishing villages on its banks. It is 48 miles long, from a half to a mile wide. and has an average depth of from 40 to 60 feet, with a current of three miles an hour, and an entire descent of about 15 feet. Its waters are clear and transparent, the navigation easy, and the acenery tiro length, the boundary between the United States and Canada. The banks of United States and Canada. The banks of the upper portion are high; those of the lower portion are low and in parts in-clined to be marshy. Both banks of the river are generally well settled, and many of the farms are beautifully situated. There are soveral wharves constructed on the Canada side, for the covariance of the Canada side, for the convenience of supplying the numerous steamboats passing and repassing with wood. There is also a settlement of the Chippewa Indians in the township of Sarnis, Canada; the Indians reside in small log or bark houses of their own erection.

The CITY OF ST. CLAIR, Mich., is pleasantly situated on the west side of St. bout 700 inhabitants.

Newport, Mich., seven miles farther miles from Lake Huron. This is a thriv-

ing place is a gree county b churches five stea facturing Inhabitar husiness and othe Fort St. horder of SOUTH on the It was la man of

an Epis MOORE below Sa another s four and is an Er cluster o The c Co., Mich ly situate Rivor, at miles be tered in gregation one Met Church ; forty sto steam flo producin lumber, River, r egion; ng of le um oil, o manufac

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eambost building, a large number of four steam saw; etc. Population ver here enters the

nnects Lake Huron and discharges the kes Superior, Mich-lows in a southerly ake St. Clair by six ne of which, on the only one at present river. It receives rom the west, or pal of which are er, and Beile River, ow into it from the le. It has several n its banks. It is half to a mile wide, depth of from 40 to nt of three miles an descent of about 15

ear and transparent,
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—forming for its enndary between the
hads. The banks of high; those of the w and in parts in-Both banks of the ell settled, and many beautifully situated. arves constructed on the convenience of ous steamboats pass-ith wood. There is f the Chippewa In-

erection. CLAIR, Mich., is a the west side of St. from Detroit and 14 on. This is a thriv-

of Sarnia, Canada; n small log or bark ing place, with many fine buildings, and is the great lumber depôt. It contains the ln width. A branch of the Grand Trunk county buildings for St. Clair Co., several churches and hotels, one flouring-mill, and five steam saw-mills, besides other manufacturing establishments, and about 3,000 gether speedy medes of conveyance. A railread is also proposed to run from business in the construction of steamers and other lake craft. The site of old Fbrt St. Clair, now in ruins. is on the lean. Fort St. Clair, now in ruins, is on the

border of the town.

Southerland, C. W., is a small village on the Canada shore, opposite St. Clair. It was laid out in 1833 by a Scotch gentleman of the same name, who here erected an Episcopal church, and made other

tered in 1858, and now contains one Congregational, one Episcopal, one Baptist, gregationsi, one Episcopai, one Baptist, one Methodist, and one Roman Catholic Church; six hotels, and public houses, forty stores, and several warehouses; one steam flouring-mill, eight steam saw-mills, producing annually a large amount of lumber, the logs being rafted down Black River, running through an extensive pine ogion; here are also, two yards for build-

igan.
FORT GRATIOT, one and a half miles north of Port Huron, lies directly opposite Point Henry, C. W., both situated at the foot of Lake Huron, where commences the Collage Shorts, opposed Sc. Asian It was laid out in 1833 by a Sootch gentleman of the same name, who here erected an Episcopal church, and made other valuable improvements.

MOORE, is a small village ton miles below Sarnia on the Canada side.

FROMEFIELD, or TALFOURD'S, C. W., is another small village, handsomely situated four and a half miles below Sarnia. Here is an Episcopal church, a windmill, and a cluster of dwellings.

The city of Port Huron, St. Clair Co., Mich., a port of entry, its advantageously situated on the west bank of St. Clair River, at the mouth of Blsck River, two miles below Lake Huron. It was chartered in 1858, and now contains one Consideration of the first of thouse being a well-kept hotel; two stores, one oil refinery, and about 400 miles below Lake Huron.

across the St. Clair Itiver, to accommodate passengers and freight; the river here being about 1,000 feet wide, and running with considerable velocity, having a depth of from 20 to 60 feet.

of from 20 to 60 feet.

In a military and commercial point of view, this place attracts great attention, no doubt, being destined to increase in population and importance. The Fort was built in 1814, at the close of the war with Great Britain, and consists of a stockade, ogion; here are also, two yards for building of lake craft, two refineries of petrolemonic of lake craft, two refineries of petrolemonic one in 1860, 4,000.

During the season of navigation, there is daily intercourse by steamboats with Detroit, Saginaw, and ports on the Upper Lakes. A steam ferry-boat also plies between Port Huron and Sarnia, C. W., the

port of entry and a place of considerable trade; two lines of railroad terminate at oint, and it is closely connected with this point, and it is closely connected with Port Huron on the American shore by means of a steam ferry. The town contains a court-house and jail, county register's office and town hall; one Episcopal, one Methodist, one Congregational, one Baptist, one Roman Catholic, and one Free Church; sayon multiple houses the princip Dapuist, one Roman Cathonic, and one Free Church; seven public houses, the principal being the Alexander House and the Western Hotel; twenty stores and several groceries; two grain elevators, two steam saw-mills; one steam grist-mill, one large barrel factory, one steam cabinet factory, one steam iron foundry, and one refinery of petroleum oil, besides other manufacturing establishments. Popula-

tion, 2,000. The Grand Trunk Railway of Canada terminates at Point Edward, 2 miles from Sarnia, extending eastward to Montreal, Quebec, and Portland, Mo.; a branch of the Great Western Railway also terminates at Sarnia, affording a direct communication with Niagara Falls, Boston, and New York. Steamers run from Sarnia to Goderich and Saugeen, C. W.; also to and from Detroit, and ports on the Upper Lakes.

The celebrated Enniskillen Oil Wells, yielding an immense quantity of petroleum oil of a superior quality, are distant some oil of a superior quality, are distant some 18 or 20 miles from Sarnia, this being the nearest shipping port. These wells are easy of access by means of railway and plank-roads; the oil is brought to Sarnia in barrela, and much of it shipped from hence direct to European ports, passing down the St. Lawrence River.

The St. Clair River, opposite Sarnia, here one mile in width. flows downward with a steamers now run on the Canada aide of

strong current, at the rate of about six Lake Huron, and will no doubt, ere long

Lake Huron and 68 above Detroit, is at Steamboat Route from Sarnia to Goderich, Saugeen,

> Steamers running to and from Detroit on their way to the different ports on the east ahore of Lake Huron, usually hug the Canada side, leaving the broad waters

> of the lake to the westward.
>
> Point Edward, 2 miles above Sarnia, lies at the foot of Lake Huron, opposite Fort Gratiot, where are erected a large depôt and warehouses connected with the Grand Trunk Railway of Canada. Here terminates the grand railroad connection extending from the Atlantic ocean to the Upper Lakes. It also commands the entrance into Lake Huron and is an important military position although at present unfortified. In the vicinity is an excellent fishery, from whence large quanti-

> ties of fish are annually exported.
>
> BAYFIELD, C. W., 108 miles from Detroit, is a new and flourishing place, aituated at the mouth of a river of the same name.

GODERICH, 120 miles north of Detroit, is situated on elevated ground at the mouth of Maitland River, where is a good harbor. This is a very important and growing place, where terminates the Buffalo and Huron Ruilroad, 160 miles in length. (See page 53.) KINCARDINE, thirty miles from Gode-

one mile in width, flows downward with a steamers now run on the Canada side of be reached by railroad.

Steam

On lea the stea the Gree for the being o LAKE

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Huron, FORRI Port Hu troit, sit Huron, erected has som tants, m Several which o steamer ques, at Huron. SAGIN ing a w

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and from Detroit erent ports on the aron, usually hag the broad waters ward.

iles above Sarnia. e Huron, opposite e erected a large connected with the of Canada. Here ailroad connection lantic ocean to the o commands the ron and is an imalthough at presvicinity is an exexported. 8 miles from De-

rishing place, sitnorth of Detroit, d ground at the

er, where is a good ry important and erminates the Bufad, 160 miles in

miles from Godethe Canadian side the British steamssengers on their

uated at the mouth name, where is a ern port to which se Canada side of o doubt, ere long Steambont Route from Port Steamers run daily to Detroit and other Huron to Saginaw City, etc. ports.

On leaving the wharf at Port Huron, the steamers pass Fort Gratlot and enter the broad waters of Lako Huron, one of the Great Upper Lakes, all alike celebrated for the sparkling purity of their waters. The shores are for the most part low, being covered by a heavy growth of forest trees.

LAKEPORT, 11 miles from Port Hu-ron, ia a small village lying on the lake

LEXINGTON, 11 miles further, is the capital of Sanilac County, Michigan, where is a good steamboat landing and a

flourishing settlement.
PORT SANILAO, 34 miles above Port

Huron, is another small sottlement.
FORRESTVILLE, Mich., 47 miles from
Port Huron, and 120 miles north of Detroit, situated on the west side of Lake Huron, is a new settlement, where is erected an extensive stoam saw-mill. It has some three or four hundred inhabitants, mostly engaged in the lumber trade. Several other small settlements are situated on the west shore of Lake Huron, which can be seen from the ascending steamer, before reaching Point aux Bar-ques, about seventy-five miles above Port Huron.

SAGINAW BAY is next entered, presenting a wide expanse of waters; Lake Hu-ron here attaining its greatest width, where the mariner often encounters fierce storms, which are prevalent on all of the Upper Lakes. To the eastward lies the Georgian Bay of Canada, with its innumerable islands.

BAY CITY, OF LOWER SAGINAW, near the mouth of Saginaw River, is a flourishing town, with a population of about 3,500. Here is a good harbor, from whence a large amount of lumber is annually exported. It has fifteen saw-mills, and other man facturing establishments.

POTES.

EAST SAGINAW, situated on the right bank of the river, about one mile below Saginaw City, is a new and flourishing place, and bids fair to be one of the most important citles of the state. It is largely engaged in the lumber trade, and in the manufacture of salt of a superior quality. There are several large steam saw-mills, many with gangs of saws, and capable of sawing from four to five million feet of lumber annually; grist and flouring mills, with four run of stones, planing-mills, foundries, machine shops, breweries, a shlp-yard, and other manufacturing establishments, giving employment to a great number of workmen. Here is a well-kept hotel, and several churches; a banking office and a number of large stores and warehouses. Coal of a good quality is abundant, being found near the river, and the recent discovery of salt springs in the neighborhood is of incalculable value, the manufacture of salt being carried on very extensively. Population in 1867, 10,000. sawing from four to five million feet of . lation in 1867, 10,000.

Several lives of stoamers, and one of propellers, sail from this port regularly for Detroit and other lake ports. It is near the head of navigation for lake craft, where five rivers unite with the Saginaw, giving several hundred miles of giving several numerou mines of water communication for river rating and the floating of saw-logs. The surrounding country is rich in pine, oak, chorry, black-walnut, and other valuable timber. and other valuable timber. Holly, connecting with the Detroit and Milwaukee Railroad.

Saginaw Cirr, Saginaw County, Mich., is handsomely situated on the left bank of the river, 23 miles above its mouth. It contains a court-house and jail, several churches, two hotels, fifteen stores, two warehouses, and six steam saw-mills.
Population about 8,000. There is a fine section of country in the rear of Saginaw

much of which is heavily timbered; the from Saginaw City and East Saginaw to soil produces grain in abundance, while Detroit, Chicago, &c., and other ports on the atreams afford means of easy transportation to market. Steamers run daily

LAKE HURON.

mands, presenting one broad expanse of waters. It possesses several good har-bors on its western shores, although as yet but little frequented. Point aux Barques, Thunder Bay, and Thunder Bay Islauds,

Tawas, or Ottawa Bay, lying on the northwest side of Saginaw Bay, affords a good harbor and refuge during storms, as well as Thunder Bay, lying farther to the north. Off Saginaw Bay, the widest part of the lake, rough weather is often experienced, rendering it necessary for steamers and sail vessels to run for a har-

The waters of Lake Huron, lying between 43° and 46° north latitude, are urrounded by low shores on every side. The nost prominent features are Saginaw Bay on the southwest, and the Goorgian Bay on the northeast; the latter large body of water being entirely in the limits of Canada. The lake proper, may be said to be 100 miles in width, from east to west, and 250 miles in length, from south to north, terminating at the Straits of Mackinac. It la nearly destitute of islands, presenting one broad expanse of waters. It possesses several good hara width of about 1,000 feet, the depth varying from 20 to 60 feet, with a strong downward current.

downward current.

The Straits of Mackinac, connecting Lakes Huron and Michigan, is a highly interesting body of water, embosoming several picturesque islands, with beautiful headlands along its shores. It varies in width from 5 to 30 miles, from mainland to mainland, and may be said to be from 30 to 40 miles in length. Here are good fishing grounds, as well as at several other points on Lake Huron and Georgian Bay.

part of the lake, rough weather is often experienced, rendering it necessary for steamers and sail vessels to run for a harbor or place of safety.

In addition to the surplus waters which Lake Huron receives through the Straits of Mackinac and the St. Mary's River from the north, it receives the waters of Saginaw River, and several other small streams from the west. This lake drains but a very small section of country compared to its magnitude, while its depth is a matter of astonishment, being from 100 to 750 feet, according to recent surveys;

other points on Lake Huron and Georgian Bay.

The climate of Lake Huron and its shores is perceptibly warmer than Lake Suporior during the spring, summer, and autumn months, while the winter season is anally reudered extremely cold from the prevalence of northerly winds passing over its exposed surface. On the 30th of July, 1860, at 8 A. M., the temperature of was 64° Fahr., the water on the surface, as matter of astonishment, being from 100 to 750 feet, according to recent surveys;

feet) 42° Fahr.

THE nearly a ation is the purp any other every p siderable

natural Interior ble for p Mackina with the ducemen railroads portions construct points in ly timbe substanti portions It is w sation, w comprise Western

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The St Lawrence nesota a States of and a lar west of supply of The supp demand, and the

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last Saginaw to other ports on

574 feet, being of Lake Supe-Clair River, does or than the St. inlet, thus leav-vaters falling in vaporation. On ver, at Fort Gra-ne Upper Lakes, to find all these pressed down to feet, the depth et, with a strong

inac, connecting gan, is a highly ter, embosoming ds, with beautiful s, from mainland said to be from

Here are good ll as at several ron and Georgian

Hirron and its armer than Lake ing, summer, and he winter season remely cold from orly winds passing . On the 30th of e temperature of of Lake Iluron, on the surface, 50 fathoms (300

THE LOWER PENINSULA OF MICHIGAN.

The Lower Peninsula of Michigan is with the development and settlement of nearly surrounded by the waters of the Great Lakes, and, in this respect, its situation is naturally more favorable for all the purposes of trade and commerce than the purposes of trade and commerce than

the purposes of trade and commerce than any other of the Western States.

The numerous streams which penetrate every portion of the Peninsula, some of which are navigable for steamboats a considerable distance from the lake, being institual outlets for the products of the Interior, render this whole region desirable for purposes of settlement and cultivation. Even as far north as the Strait of Mackinac, the soil and climate, together (figherics, &c. These are at Thomas Druge (figherics, &c. These are at Thomas Druge). Mackinac, the soil and climate, together with the valuable timber, offer great in-ducements to settlers; and if the proposed quements to settlers; and it the proposed railroads, under the recent grant of large portions of these lands by Congress, are constructed from and to the different points indicated, this extensive and heavily timbered region will speedily be reclaimed, and become one of the most aubstantial and prosperous agricultural portions of the West.

portions of the West.

It is well that in the system of compensation, which seems to be a great law of the universe, the vast prairies which comprise so large a portion of this great Western domain are provided so well with corresponding regions of timber, affording the necessary supply of lumber for the demand of the increasing population which is so rapidly pouring into these Western States.

Sideralle importance.

DUNCAN is the next place of importance on the lake coast, situated near the mouth of Cheboygan River. The United States Land Office for this district is located at this place. Nearly opposite lies Bois Blanc Island, a large and fertile tract of land. The celebrated ISLAND OF MACKINAC is next reached, lying within the straits, surrounded by a cluster of interesting points of land justly celebrated in Indian legends and traditions.

The State of Michigan—all the waters of which flow into the Basin of the St. "The State of Michigan—all the waters legenus and traditions.

of which flow into the Basin of the St. OLD MACKINAC, lying on the mainland, Lawrence—Northern Wisconsin, and Min- lie one of the most interesting points, being nesota are the sources from which the celebrated both in French and English

Besides the ports and towns already described, there are on Lake Huron, after leaving Saginaw Bay, going north, several settlements and lumber establishments, fisheries, &c. These are at Taves Bay, mouth of the River au Sable, Black River,

ALPENA, situated at the head of Thun-der Bay, is a very flourishing town, and the capital of Alpena County. It contains about 700 inhabitants, and four saw-mills, possessing a superior water-power on the river here emptying into the bay. It is both a lumber and fishing station of considerable importance.

Lawrence—Northern Wisconsin, and Min-nesota are the sources from which the celebrated both in French and English States of Ohio, Indiana, Illinois, and Iowa, and a large portion of the prairie country west of the Mississippi, must derive their Region. It is proposed to build a railroad supply of this important article (lumber). The supply in the West is now equal to the demand, but the consumption is so great, and the demand so constantly increasing the westward to Lake Superior, crossing the

straits by a steam ferry. A town plot has Chicago to Buffalo and the Upper Lakes, been surveyed, and preparations made for the harbors on these islands are stepping-

Passing around the western extremity of the Peninsula, at the Wangostance Light and Island, the next point is Little Traverse
Bay, a most beautiful sheet of water.
About fifteen miles southwesterly from

Little Traverse we enter GRAND TRAVERSE BAY, a large and beautiful arm of the lake, extending about thirty miles inland. This bay is divided into two parts by a point of land, from two to four miles wide, extending from the head of the bay about eighteen miles toward the lake. The country around this bay is exceedingly picturesque, and embraces one of the finest agricultural portions of the State. The climate is mild, and fruit and grain of all kinds suitable to a northern latitude are produced, with less liability to injury from frest than in some of the southern portions of the State.

GRAND TRAUMESE CITY is located at the head of the west arm of the bay, and is the terminus of the proposed railroad from Grand Rapids, a distance of about 140 miles.

Passing out of the bay and around the point dividing the west arm from the lake, we first arrive at the river Aux Becs Sceis. There is here a natural harbor, capable of accommodating the larger class of vessels and steamboats. A town named FRANK-FORT has been commenced at this place, and with its natural advantages, and the enterprise of parties who now contemplate making further improvements, it will soon become a very desirable and convenient point for the accommodation of navigators.

The islands comprising the Beavers, the Manitous, and Fox Isles should here to noticed. The Beavers lie a little south of west from the entrence to the Strait of Graxu of west from the entrence to the Strait of Mackinac, the Manitous a little south of these, and the Foxes still farther down the lake. These are all valuable for fishing purposes, and for wood and lumber. Lying in the route of all the steambont lines from the control of the steambont lines from the st

points for the boats, and a proftable trade is conducted in furnishing the necessary supplies of wood, etc.
We next arrive at Manistee, a small

but important settlement at the mouth of the Manistee River. The harbor is a natural one, but requires some improve-ment. A large trade is carried on with Chicago in lumber.

The next point of importance is the mouth of the Pére Marquette River. Here s the terminus of the proposed railroad from Flint, in Genesee County, connecting with Detroit by the Detroit and Milwaukee Railway, a distance of about 180 miles.

The harbor is very superior, and the country in the vicinity is well adapted for settlement. About 16 miles in the interior is situated one of the most compact and extensive tracts of pine timber on the western coast.

About forty miles south of this, in the county of Oceana, a small village is located at the mouth of White River. The harbor here is also a natural one, and the region is settled to considerable extent by farmers. Lumber is, however, the principal commodity, and the trade is principally with the Chicago market.

The next point, MUSKEGON, at the mouth of the Muskegon River, is supported principally by the large lumber region of the interior. Numerous steam saw-mills are now in active operation here, giving the place an air of life and activity.

The harbor is one of the best on the lake, and is at present accessible for all the vessels trading between Muskegon and

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steamer the mount Islands i the water SUMMI and Roc of the en ne Upper Lakes, ads are stoppinga proftable trade ig the necessary

ANISTEE, a small t at the mouth of The harbor is a s some improvecarried on with

nportance is the ette River. Here proposed railroad Detroit and Milnce of about 180

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th of this, in the all village is loca-te River. The har-ral one, and the derable extent by owever, the prin-he trade is prinmarket.

EGON, at the mouth is supported prinlumber region of s steam saw-mills ation here, giving and activity.

cessible for all the n Muskegon and

wa Co., Mich, is of Grand River, at Michigan, - here on the opposite side For further descrip-

DIRECT STEAMBOAT ROUTE FROM DETROIT TO GREEN BAY, CHICAGO. &c.

Sailing direct through Lake Huron to Mackinse, or to the De Tour entrance to St. Mary's River, a distance of about 330 miles, the steamer often runs out of sight of land on crossing Saginaw Bay.

Thunder Bay Light is first sighted and passed, and then Presque Isle Light, when the lake narrows and the Strait of Mackinse is zone entered where lies the re-

the lake narrows and the Strait of Mackinac is soon entered, where lies the romantic Island of Mackinac. The Strait of Mackinac, with the approaches thereto from Lakes Huron and Michigan, will always command attention from the passing traveller. Through this channel will pass, for ages to come, a great current of commerce, and its shores will be enlivened with civilized life.

In this great commercial route Lake

In this great commercial route, Lake Huron is traversed its entire length, often affording hie travellor a taste or sca-sickness and its consequent evils. Yet there often are times when Lake Huron is hard-

WASHINGTON OF POTAWATOMEE ISLAND. CHAMBERS' ISLAND, and other small islands are next passed on the upward trip toward

are next passed on the upward trip toward the head of the bay.

WASHINGTON HARBOR, situated at the north end of Washington Island, is a picturesque fishing station, affording a good steamboat-landing and asfo ancherage.

GREEN BAY, about 100 miles long and from 20 to 30 miles wide, is a splendid sheet of water, destined no doubt to be enlivened with commerce and pleasure excursions. (City of Green Bay, see p. 32.)

Ports of Lake Michigan— East and South Shores.

Michigan City, Ind., situated at the extreme south end of Lake Michigan, is distant 45 miles from Chicago by water Huron istraversed its entire length, often affording fac traveller a taste on sea-sickness and its consequent evils. Yet there often are times when Lake Huron is hardly ruffled, and the timid passenger enjoys the voyage with as much zest as the more experienced mariner.

"MAOKINAO, crowned by a fortress, where wave the Stars and the Stripes, the gen of the Upper Lake islands, may vie with any other locality for the salubrity of its elimate, for its picturesque beauties, and for its vicinity to fine fishing-grounds. Here the invalid, the seeker of pleasure, as well as the sportsman and anglor, can find enjoyment to their heart's content during warm weather. For description, see p. 83.

On leaving Mackinac for Green Bay, the steamer generally runs a west course for the month of the bay, passing the Beaver Islands in Lake Michigan Like with the month of the bay, passing the Beaver Islands in Lake Michigan before entering the waters of Green Bay, shown 160 miles.

Summer Islands in Lake Michigan before entering the clannel is again open, with a good depth of water. Vessels leaded with iron and with lumber enter and discharge cargoes without difficulty. An efficient dear many properties at work, and Michigan City will secon become a lake port of importance.

NEW BUFFALO, Mich., lying 50 miles above, on the river, affording great facileast of Chicago by steamboat route, is situated on the line of the Michigan Central Railroad, 218 miles west of Detroit. Here have been erected a light-house and pier, the latter affording a good landing for side of Lake Michigan, near the mouth of the Kalamago, River. the latter affording a good landing for stoamers and lake craft. The settlement contains two or three hundred inhabitants, and several stores and storehouses. It is surrounded by a light, sandy soil,

It is surrounded by a light, andy soil, which abounds all along the east and south shores of Lake Michigan.

St. Joseph, Berrien Co., Mich., is advantageously situated on the east shore of Lake Michigan, at the mouth of St. Joseph River, 194 miles west of Detroit. Here is a good harbor, affording about 10 feet of water. The village contains about 1,000 inhabitants, and a number of stores and storehouses. An active trade in lumber, grain, and fruit is carried on at this place, mostly with the Chicago market, it being distant about 70 miles by water. Steamers of a small class run from St. Joseph to Niles and Construtine, a distance of 120 miles, to which place the St. Joseph River is navigable. St. Joseph River Is navigable.

St. Joseph River is navigable.

St. Joseph River is navigable.

St. Joseph River is itse in the southern portion of Michigan and Northern Indiana and is about 250 miles long. Its general course is nearly westward; is very sepentine, with an exhibit current, and flowing through a retile section of country, celebrated alike for the ravising of grain and different kinds of finit. There are to be food search consistent with the section of read search consistent with the section of the residue of the retile search of the retile searc

prain and different kinds of finit. There are to be found several for the several forms are Constantine, Elkhart, South Bend, and Nilea.

Niles, situated on St. Joseph River, is 26 miles above its mouth by land, and 191 miles from Detroit by railroad route. This is a flourishing village, containing about 3,000 inhabitants, five churches, three hotels, several large stores and flouring mills; the country around producing large quantities of wheat and other kinds of grain. A small class of steamers run to St. Joseph below and other places run to St. Joseph below and the principal ports on the Wisconsin side of the lake.

Lines of propellers also leave Chicago daily for all the principal ports on the Wisconsin side of the lake.

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Lines of propellers also leave Chicago daily for all the principal ports on the Wisconsin side of the lake.

AMSTERDAM, Ottawa Co., is a small flage lying near the Lake shore, about 20 miles south of Grand Haven.

HOLLAND, situated on Black Lake, a few miles above Amsterdam, is a thriving town, settled mostly by Hollanders. Hore is a good and spacious harbor.

The counties of Berrien, Cass, Van Birch, Kalamazoo, Allegau, Kent, and Cttawa are all celebrated as a fruit-bearing

The Ports extending the Mark Brand Haven to Saginaw Bay are fully described in another portion of this stark, as well as the bays and rivers failing into Lakes Michigan and Huron.

floamers on Facto Michigan.

Daily lines of steamers also leave Chi-cago for Racine, Mi' waukee, Port Wash-

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COMMERCE OF THE UPPER LAKES.

Estimate of Enlarging the Means of Transit to the Seaboard—Different Routes Compared.

Copied from the CHICAGO TRIBUNE, dated April, 1868.

"Sir: I have to state that the cost of | of the class of steamers called propellers, all the necessary works to complete and adapt the navigation from the Western lakes to Montreal and New York, for propellers of 850 tons, would be as follows:

The New Welland Canal	\$ 6,000,000
Lengthening the Locks of the St. Law- rance Canais.	1,050,000
Improving the Rapids of the St. Law-	
rence to 18 feet	750,000
The Caughnawaga Canal (28 milea)	2,500,000
New York Champlain Canai	750,000 2,500,000 5,000,000

Impreving the Hudson River..... 1,000,000

"Most of these figures are taken from reports, are based on actual surveys of the work to be done, and sufficiently accurate for comparison. I shall now advert to the saving which would be offected by one employment of the 850-ton propeller or sailing vessel, in transport, by the im-provements suggested. Raw commodities and those of considerable bulk or weight and those of considerable bulk or weight must necessarily be transported by the cheapest conveyance, and while railways will enjoy the monopoly of carrying valuable goods in proportion to their bulk and those of a perishable character, the propeller and sailing vessel will carry the wheat and other grains, the provisions, ore, &c. On the lakes small vessels four times the size of those formerly employed a few years since are now in use, and wherevor there is a sufficient amount of trade, the cost of transport is reduced by increasing the size of the vassel. Experienced navigators on the lakes estimate the cost of transport at one-fourth less by the large transport at one-fourth less by the large vessels now employed than by the small vessels formerly in use. The tendeucy of late years has been toward the increase vessels, and within two years will, no

of the class of steamers called propellers, of great carrying capacity, with engines adapted to a slow speed to obtain the greatest economy of fuel. The first of this class of vessels employed were of small size, but experience proved that the greatest economy was obtained by enlarging them to the greatest size the lake harbors would admit. The cole." y and certainty of their voyages will always give them a preference, for their charges are less than the railway, their deliveries are prompt and but little longer. With the improvements in the navigation completed and adapted for the 850-ton propeller taking cargo, without breaking built peller taking cargo, without breaking bulk from the Upper Lakes to Montreal or New York, there can be no doubt that the cost of transport would be greatly reduced below the rates now paid. By the expenditure of fourteen millions of dollars expenditure of fourteen millions of dollars on the Eric Canal, the State of New York opened a route by which a ton of freight could be conveyed from Chicago to New York City for \$8.64, and by a further expenditure of twenty-two million dollars in enlarging her canal she reduced the cost of transport to \$5.56 per ton. Now supposing the reduction in cost of transport by enlarging the various canals and port, by enlarging the various canals and adapting improvements for the vessel of 850 tons, as proposed, to be only one dollar and fifty cents per ton lers than present and fifty cents per ton lers than present; ra'es (and eminont engineers have imated it to be much higher), this would a reduction of five cents per bushel. No let me point out what the saving would be one year on the grain shipped from Lake Michigan alone. The exports of grain and flour from this lake have already amounted in one years expected.

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ies on the east or the mouth of

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also leave Chikee, Port Washanitowoc, Two

c leave Chicago o leave Chicago oal ports on the gan, stopping a. Detroit, etc., afap mode of cond Milwaukee to L. kes Erie and on of Chicaga ses

doubt, exceed one hundred million bushels. I have stated that the average freight of this grain from Lake Michigan to New York is about thirty cents per bushel, in-cluding two and three-quarters cents for transforring cargo and other charges at Buffalo. A deduction of five cents per bushel on the hundred millions of bushels would be five millions of dollars in one year, which would represent a capital of about ninety millions of dollars, at six per cent. interest, while the total cost of im-provements I have suggested, would not exceed seventeen millions in gold. I have not alluded or taken into account the great provision trade so rapidly growing up, nor have I taken in the vast trade which will so seen exist on Lake Superior; neither have I alluded to the grain and other exports from Lakes Huron, Erie, and Ontario. I have preferred to single out the one great fact of the present exports from this lake, so that any one can see at a glance the enormous importance and advantage of perfecting the navigation from the West to the East.

THE ROUTES COMPARED.

"Few persons can look . . ne map of the Great Lakes without noticing the narrow isthmuses which in sevoral places divide them, and particularly the nearness with which the Georgian Bay of Lake Huron and Lake Simcoe, which empties into it, approach to Lake Ontario (running chrough Canada). By cutting through an isthmus of about 90 miles a saving of 400 miles in distance would be made

from Chicago to Oswego.

"Surveys of this project have been made. Lake Simcoe is 475 feet above

summit level, and must be cut through and led from Lake Simcoe.

"They would require (according to the engincer's reports) a cutting 200 feet deep for some two miles, and an average cutting of some 80 feet deep for six miles and a half. No such cut as this was ever made on any work, and by giving the banks of the cut a slope of one and a half fect to one footin depth the opening on the surface would be eight hundred feet. Still, this is considered quite a trifle by the friends of the project. Its estimated cost is \$25,000,000, but more likely to be forty millions. Of course the improvements of the St. Lawrence Canals, the Caughnawaga, and the New York Champlain Canal would have to be added to the above any the surface would be eight hundred feet. the above sum.

"The next project, which has also been warmly advocated by many, is what is called the Ottawa Canal, to connect Moncaned the Ottata Cana, to contact anni-treal with Lake Huron via Lake Nippising and French River, which has been sur-veyed and reported on. This project also shortens the distance from Chicago or Milwaukee to Montreal about 430 miles. To understand its merits, I would begin by stating that it is the breaking up of the ice in the Straits of Mackinac in the spring which opens navigation, and it is the closing of these straits by ice in the and closing of these straits by ice in the fall which puts an end to navigation for the year. Now, suppose two propellers of 85° tons, leaving Milwankee together, bound for Montreal, one by the Welland Canal and the other by the Ottawa route. Both vessels keep together as far as the point in Lake Huron where it is necessary for one to diverge to enter the French River, emptying into Georgian Bay. This made. Lake Simoce is 475 feet above litver, emptying into Georgian Bay. This Ontario, and 110 feet above Humon, river has to be ascended by a lockage of making a total of 535 feet lockage against seventy-five feet to reach the summit level 360 feet by the Welland Canal and St. in Lake Nippising, and of course there Clair River. Moreover, there is a summit in Lake Nippising, and of course there ridge between Lakes Simoce and Ontario, more to get back to the level of lake Huwhich can not be locked over on account of this deficiency of water to supply the more lockage than on the Welland Canal

which are to admit o nothing n At night if for the pro while tho night as w The whole on the W rence Cana on the do never see acknowled sooner be than he c four hund northern p gation wo sooner clos work is \$ millions), be the con which the neither rea plain. "Experi

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has also been ny, is what is connect Mon-Lake Nippising has been surhis project also om Chicago or out 430 miles. I would begin aking up of the ackinac in the ation, and it is s by ice in the navigation for two propellers wkee together, y the Welland Ottawa route. r as far as the it is necessary ian Bay. This y a lockage of he summit level f course there venty-five feet rel of lake Huroute 150 feet Welland Canal

route. The Ottawa River is reached Government, which gives access to Lake through the River Mattawan, both of Superior, has locks of three hundred feet which are dammed up in various places to admit of their navigation, making them to admit of their navigation, making them nothing more or less than large canals. At night it would be almost impossible for the propeller to sail, except very slowly, while the other propeller could sail by night as well as by day at her full speed. The whole lockage would be at one place on the Welland Canal, for the St. Lawrence Canals would not require to be used on the dewnward voyage. Now, I have never seen a shilmsaler who has not never seen a shipmaster who has not acknowledged that the propeller would sooner be at Montreal by the long route than he could be by the shorter one of four hundred miles; and from the more northern position of Lake Nippising, navinorthern position of Lake Applising, havi-gation would be later in opening and sooner closed. The estimated cost of this work is \$24,000,000 (but probably forty millions), and added to this, again, would be the cost of the Caughnawaga Canal and New York Champlain Canal, without which the propeller via the Ottawa could neither reach New York or Lake Cham-

plain.
"Experience has proved that the larger the vessel the cheaper the cost of convey-ance. This, of course, has a limit somewhere, but the size of the vessel will, in a great degree, be regulated by the depth of water in the lake harbors. Heretofore

a depth of water of twelve feet, This depth of water may be assumed as the capacity of lake harbors. The artificial works necessary for the imprevement of works necessary for the imprevement of the navigation ahould be designed in ac-ordance with the natural magnitude of that navigation. The depth of water, therefore, in the lake harbors, limits the size of vessels for the navigation. The present state of our knowledge is, that propellers are a cheaper mode of con-veyance than side-wheel steamers, and are destinant to sunsarada sailing vessels. are destined to supersede sailing vessels. The suggestions now made for cheapening transports, it is necessary that all the canals on the route from West to East should be adapted for propellers of 850 tons burden, with a depth of twelve feet

LAKE SUPERIOR PRADE

On the completion of a rauroad communication between the Upper Mississippi and Lake Superior, the enlargement of the St. Mary's Falls Ship Canal and the Eric Canal, also the improvement of the Welland and St. Lawrence Canals will be imperiously demanded, as well as the construction of the Caughnawaga Canal, runof water in the lake harbors. Heretofore ning to Lake Champlain, and the enlargement of the Claim lake navigation was on tho Lake St. Clair Flats, but the obstruction is now being removed. The short canal built by the United States trade of Canada and of the United States.

Canadian Inland and Ocean Navigation.

The following, from a pamphlet published in Montreal, pictures the advantages to be derived from the great inland water highways of the Canadian Pro-

Lake Superior, and Chicago, on Lake in the series should be simed at if prec-Michigan, a distance of about fifteen hun-dred miles, embracing the largest extent of enabling vessels of not exceeding 186 of Inland water communication in the world." For extent of lake and river navigation, see page 16.

Canadian Canals.

	Length in miles.	Depth in feet.	Lockage Lift, feet.	No. Locks
Lachine	84	10	441	5
Beauharnols	. 111	10	82	9
Cornwall	111	10	48	7
Farrand's Point	•	10	4	i
Rapid Plat		10	114	9
Point Iroqueis	. 12	10	6	1
Gallops		10	8	9
Welland	. 28	10	880	27
	_	_		
. Totals	. 60		5484	54

Proposed Ottawa Ship Canal.

The saving in the distance between Montreal and Chicago, by this direct route, over the present circuitous line through the Lower Lakes and the St. Lawrence is the Lower Lakes and the St. Lawrence is 842 miles. It has 64 looks, with a total lift of 665 feet. The work, in quality at least equal to the St. Lawrence Canals, is estimated to cost \$12,057,680, exclusive of the Lachine Canal, which is already completed.

DEEPENING OF THE CANADA CANALS.

At a late meeting of the Montreal Board of Trade (April, 1868), a report was presented and adopted which contained the following: "The Council has had some correspondence with the Depart-ment of Public Works, relative to the enment of Public Works, relative to the en-largement of the Welland and St. Law-rence Canals, and has recommended re-garding the improvements contemplated in these works, that, while it is desirable that a depth of two feet and a size of locks in all the canals equal to the largest lock of 155 feet.

or enabling vessels of not exceeding 186 feet long, 44% feet wide, and 10 feet draught of water, to navigate the whole length of Canada, from Lake Superior to the occan, could, the Council believes, be exceuted in brief time and at a moderate expense." The deepening of these canals was deemed a matter of urgent necessity, in order to accommodate the increasing trade of the Upper Lakes.

New York Canals.

LENGTH, SIZE, LOOKS, BTO.

	Length.	No.	Size Locks,	Lin of Locks,
Erie (enlarged)	8504	71	110x18	569
Genesee Valley and	1			
Extension	1244	112	90x15	1.499
Cayuga and Seneca		11	110x18	761
Crooked Lake	. 8	27	90x15	277
Chemung & Feeder.	. 89	49	90x15	155
Chenango		116	110x18	1.015
Oswego	. 88	18	90x15	155
Black River & Feeder	. 50	109		1.082
Black River Imp't				
Champiain		88	110x18	
Glens Falls Feeder	7		100x15	227
Oneida Lake		7	90x15	60
Onelda River Imp't		2	120x804	161
Oneida Lake				

The Eric and Champlain Canals, when first completed in 1825, had a prism 28 feet wide at the bottom, and 40 feet wide at the surface of the water, which was at the surface of the water, which was four feet in depth. The charabers of the locks were 90 feet long by 15 feet wide, admitting boats 75 feet long, carrying about 45 to 50 tons. The size of the present locks is given in the foregoing table. The boats now navigating the Erie and Oswego Canals have a burdon of about 225 to 250 tons in six feet draught of water.

CHICA Wauke Kenosh Racine, MILWAI Port W Sheboy Manito Two Ri Kewau

ROUT

On stanear the Marine I Central while th are seen

stream. wooden to the

construc pier, to g a subst for near accomme vessels, and from The

and sail

e almed at if prac-me the losser work not exceeding 186 wide, and 10 feet navigate the whole in Lake Superior to Conneil believes, be and at a moderate of urgent necessity,

Canals.

kes.

LOCKS, ETC. th. No. Size Locks. Locks. 71 110x18 Lift of Locks, 569

112 90x15 11 110x18 27 90x15 49 90x15 116 110x18 13 90x15 109 1,499 761 277 155 1,015 155 1,082 G# 83 110x18 227

7 90x15 2 120x804

161

plain Capals, when 25, had a prism 28 m, and 40 feet wide water, which was ne channers of the g by 15 feet wide, feet long, carrying s. The size of the en in the foregoing ow navigating the mais have a burden

Canal has 71 looks, 39 feet, and the Os-cks, with a total lift.

0 tons ln six feet

Steamboat Route.

FROM CHICAGO TO MACKINAC AND SAUT STE. MARIE.

Ports, &c.	Miles.	Perts, &c.	Miles.
CHICAGO, Ill	0	Annapee, Wis	11-205
Waukegan, Ill		Bayley's Harbor, Wis	
Kenosha, Wis	1651	Doath's Door, Wis	20-260-
Racine, Wis	11-62	(To GREEN BAY, 80 miles.)	
MILWAUKEE, Wis	23-85	Washington Harbor, Mich	13-273
Port Washington, Wis	25-110	Beaver Island, Mich	74-347
Sheboygan, Wis	25-135	Pt. Waugoshame, Mich	30-377
Manitowoc, Wis	30-165	MACKINAC, Mich	23-400
Two Rivers, Wis	7-172	De Tour Passage	36-436
Kewaunee, Wis	22-194	SAUT STE. MARIE, Mich	56-492

ROUTE FROM CHICAGO TO MACKINAC AND SAUT STE, MARIE.



the Union.

On reaching the green waters of Lake Michigan, the city of Chicago is seen stretching along the shore for four or five miles, presenting a fine appearance from the deck of the steamer. The entrance to the harbor at the bar is about 200 feet wide. The bar central Railroad are passed on the right, while the Lake House and lumber-yards are seen on the left or north side of the steamers bound for Millians are seen on the left or north side of the steamers bound for Millians are seen on the left or north side of the steamers bound for Millians are seen on the left or north side of the steamers bound for Millians are seen on the left or north side of the steamers bound for Millians are seen on the left or north side of the steamers bound for Millians are seen on the left or north side of the northern ports usually run along the west shore of the lake withing sight of land, the banks rising from the deck of the steamer. The entrance to twelve feet water, the clark House and the northern ports usually run along the west shore of the lake withing the clark Millians is never the steamer. It is steamer to the steamer bound for Millians are seen on the left or north side of the steamer bound for Millians are seen on the left or north side of the steamer bound for Millians are seen on the left or north side of the steamer bound for Millians are seen or tretching along the shore for four or five miles, presenting along the shore for four or five miles, presenting a seem stretching along the shore for four or five miles, presenting a seem stretching along the shore for four or five miles, presenting a seem stretching along the shore for four or five miles, presenting a seem stretching along the shore for four or five miles, presenting a seem stretching along the shore for four or five miles, presenting a seem stretching along the shore for four or five miles, presenting a seem stretching along the shore for or five miles, presenting a seem stretching along the shore for or five miles, presenting a seem stretching constructed on the outer end of the north

pier, to guide vessels to the port.

The basin completed by the Illinois Central Railroad to facilitate commerce is

very great; the carrying trade being destined to increase in proportionate ratio with the population and wealth pouring into this favored section of the Union.

IARE MICHIGAN is about seventy miles average width, and 340 mile: in extent from Michigan City, Ind., on the south, to the Strait of Mackinac on the north; it Central Railroad to facilitate commerce is a substantial work, extending southward for nearly half a mile. It affords ample accommodation for loading and unloading vessels and transferring the freight to and from the railroad cars.

The number of steamers, propellers, and sailing vessels annually arriving and departing from the harbor of Chicago is about 1,000 miles by water; while from

Chicago to Superior City, at the head of Lake Superior, or Fond du Lac, the distance is about the same, thus affording county buildings, fourteen churches, several hotels, Congress Hall being the largest: three of the great lakes or inland sass of elevators, warehouses, and numerous America, in steamers of from 1,000 to 2,000 tons burden. During the summer and early autumn months the waters of this lake are comparatively calm, afford-

this lake are comparatively calm, affording saie navigation. But late in the year, and during the winter and early spring months, the navigation of this and the other great lakes is very dangerous. WAUNDAN, Lake Co., Ill., 36 miles north of Chicago, is handsomely situated on elevated ground, gradually rising to 50 or 60 feet above the water. Here are two piers, a light-house, several large storehouses, and a neat and thriving town containing about 4,000 inhabitants, six churches, a bank, several well-kept hotels, thirty stores, and two steam-flouring mills. mills.

KENOSHA, Wis., 52 miles from Chicago, is elevated 30 or 40 feet above the lake. is elevated 30 or 40 feet above the lake. Here are a small harbor, a light-house, storehouses, mills, etc. The town has a population of about 5,000 inhabitants, surrounded by a fine back country. Here is a good hotel, a bank, several churches, and a number of stores and manufacturing at the store and at the store at th ing establishments doing a large amount of business. The Kenosha and Rockford Railroad, 73 miles, connects at the latter place with a railroad running to Madison, the capital of the State, and also to the

Mississippi River.
The City of RACINE, Wis., 62 miles from Chicago and 23 miles south of Milwaukee, Chicago and 25 lines sould or as built on an elevation some forty or fifty feet above the surface of the lake. It is a beautiful and flourishing place.

stores of different kinds.

The Racine and Mississippi Railroad ex-tends from this place to the Mississippi River at Savanna, 142 miles. The Chica-go and Milwaukee Railroad also runs through the town, near the Lake Shore.



MILWAUKER HARBOR

Milwaukee, "The Creak Orry,"
85 miles from Chicago, by railroad and
steamboat route, is handsomely situated
on rising ground on both sides of the Milwaukee River, at its entrance into Lake
Michigan. In front of the city is a bay or
indentation of the lake, affording a good harbor, except in strong easterly gales. The harbor is now being improved, and will doubtless be rendered secure at all times It is a beautiful and nourishing place. harbor, except in strong easterly gases. Here are a light-house, piers, storehouses, The harbor is now being improved, and will etc., situated near the water, while the doubtless be rendered secure at all times city contains some fine public buildings of the season. The river affords an examp private residences. The population tensive water-power, capable of giving is about 10,000, and is rapidly increasing. motion to machinery of almost any re-Racine is the second city in the State in quired amount. The city is built upon

river a Custon & court land-of college orphan and th frequen compan vators, severa ments well au are imm to a lar lake cre the Up The gro ishing; wildern-inhabita

Superior Detroit ating at water, a petus to good cli alone es v Durin number and the ed to \$60 offers th struction point on pended o of a har

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on, and posses are located the en churches, sevebeing the largest;

sippi Railroad exto the Mississippi miles. The Chicsailroad also runs the Lake Shore.



THE CREAM CITY," o, by railroad and andsomely situated oth sides of the Mil-entrance into Lake f the city is a bay or e, affording a good rong easterly gales. g improved, and will secure at all times iver affords an excapable of giving of almost any re-city is built upon

beautiful slopes, descending toward the completion, which will no doubt be river and lake. It has a United States effected.

Gustom House and Post-Office building;
The approach to Milwaukee harbor by a court house, city hall, a United States land-office, the University Institute, a college for females, three academies, three orphan asylums, forty-five churches, several well-kept hotels, the Newhall House and the Walker House being the most frequented; seven banks, six insurance companies, a Chamber of Commerce, electrics artensis are accessed. companies, a Unamber of Commerce, clevators, extonsive ranges of stores, and several large manufacturing establishments. The city is lighted with gas, and well supplied with good water. Its exports of lumber, agricultural produce, etc. are immense, giving profitable employment to a large number of steamers and other to a large number of steamers and other lake craft, running to different ports on the Upper Lakes, Detroit, Buffalo, etc.
The growth of this city has been astonishing; twenty years since its site was a wilderness; now it contains over 60,000 inhabitants, and of a class inferior to no section of the Union for intelligence, so-

ating at Grand Haven, 85 miles distant by water, and the lines of steamere running to this port, will altogether give an im-petua to this favored city, blessed with a good climate and soil, which the future alone can reveal.

"During the past few years an unusual number of fine buildings have been erected, and the commerce of the port has amount-ed to \$60,000,000. The bay of Milwaukee offers the best advantages for the construction of a harbor of refuge of any point on Lake Michigan. The city has expended over \$100,000 in the construction of a harbor; this needs extension and Mississippi.

water is very imposing, lying between two headlands covered with rich follage, and dotted with residences indicating comfort and refinement not to be exceeded on the banks of the Hudaon or any other body of water in the land. This city, no doubt, is destined to become the favored residence of opulent families, who are fond of congregating in favored localities.

THE GRANARIES OF MINNESOTA AND THE GRANARIES OF MINNESOTA AND WISCONSIN.—The La Crosse Democrat speaks as follows of the great strides of agriculture in a region which ten years sgo was a wildefreess. It says:
"We begin to think that the granarics of Minnesota and Northwestern Wisconsin will never give out; there is no end to the arount indefing from the heavy

is in will never give out; there is no end ishing; twenty years aince its site was a wilderness; now it contains over 60,000 inhabitants, and of a class inferior to no section of the Union for intelligence, so briety, and industry.

The future of. Milwaukee it is hard to predict; here are centring numerous railreads finished and in course of construction, extending south to Chicago, west to the Misslassippi River, and north to Lake Superior, which, in connection with the Detroit and Milwaukee Railroad, terminating at Grand Haven, 85 miles distant by come necessary to carry the produce of ten years nence, at this rater imagine the amount of transportation that will become necessary to carry the produce of the upper country to market. It is hard to state what will be the amount of ship-

RAILROADS RUNNING FROM MILWAUKEE.

Detroit and Milwaukee (Grand Haven

Milwankee and Prairie du Chien, 192 miles, connecting with steamers on the Mississippi and railroad to St. Paul.

Milwaukee and Western, 71 miles.
Milwaukee and Chicago, 85 miles; also,
the River and Lake Shore City Railway. running from the entrance of the harbor to different parts of the city.

to different parts of the city.

PORT WASHINGTON, OZAUKEE CO., Wis.,
25 miles north of Milwaukee, is a flourishing place, and capital of the county.
The village contains, besides the public
buildings, several churches and hotels,
twelve stores, three mills, an iron foundry, two breweries, and other manufac-torics. The population is about 2,500. Here is a good steamboat landing, from which large quantities of produce are annually shipped to Chicago and other lake ports.

ports.
Subboyoan, Wis., 50 miles north of
Milwaukee and 130 miles from Chicago,
is a thriving place, containing about 5,000
inhabitants. Here are seven churches,
several public-houses and stores, together
with a light-house and piers; the harbor
being improved by government works.
Large quantities of lumber and agricultural products are shipped from this port.
The country in the interior is fast setthing with agriculturists, the soil and cli-The country in the interior is fast settling with agriculturists, the soil and climate being good. A railroad nearly completed runs from this place to FOND DU LAG, 42 miles west, lying at the head of Lake Winnebago.

MANTOUWOO, Wis., 70 miles north of Milwaukee and 33 miles east from Green

Milwaukee and 33 miles east from Green
Bay, is an important shipping port. It
contains about 3,500 inhabitants; five
churches, several public-houses, twelve
stores, besides several storchouses; three
steam saw-mills, two ship-yards, lighthouse, and pier. Large quantities of lumhouse, and pier. Large quantities of lumber are annually shipped from this port.
The harbor is being improved so as to afford a refuge for vessels during stormy
weather. weather.

"Manitouwoc is the most northern of the harbors of Lake Michigan improved by the United States Government. It derives additional importance from the fact that, when completed, it will afford the

that, when completed, it will afford the first point of refuge from storms for shipping bound from any of the other great lakes to this, or to the most southern ports of Lake Michigan."

Two Rivers, Wis., seven miles north from Manitouwoc, is a new and thriving place at the entrance of the conjoined streams (from which the place takes its name) into Lake Michigan. Two piers are here erected, one on each side of the river; also a ship-ward, an extensivo river; also a ship-yard, an extensivo leather manufacturing company, chair and pail factory, and three steam saw-mills. The village contains about 2,000 inhabi-

KEWAUNEE, Wis., 25 miles north of Two Rivers and 102 miles from Milwaukee, is a small shipping town, where are situated several saw-mills and lumber establish-ments. Green Bay is situated about 25

menta. Green Bay is student about 20 miles due west from this place.

AHNEEPEE, 12 miles north of Kewaunee, is a lumbering village, situated at the mouth of Ahneepee, containing about 1,000 inhabitants. The back country here

1,000 inhabitants. The back country here assumes a wild appearance, the forest trees being mostly pine and hemlock.

GIBRALTAR, or BAILEY'S HARROR, is a good natural port of refuge for sailing craft when overtaken by storms. Here is a settlement of some 400 or 500 inhabitants which have a present in Selling and tents, mostly being engaged in fishing and

iumbering.
PORT DES MORTS OF DEATH'S DOOR, the

nost northern of chigan improved rernment. It de-nee from the fact it will afford the n storms for ship-f the other great oat southern ports

even miles north new and thriving of the conjoined splace takes its gan. Two piers a each side of the rd, an extensivo ompany, chair and steam saw-mills.

miles north of Two rom Milwaukee, is where are situated iumber establishsituated about 25 is place.

orth of Kewaunee, e, situated at the containing about a back country here arance, the forest e and hemlock.

EY'S HARBOR, is a refuge for sailing oy storms. Here is 400 or 500 inhabigaged in fishing and

DEATH'S DOOR, the r, is passed 20 miles arbor, Detroit Island

WASHINGTON IStof land attached to; also, Rock Island, cance to the north.



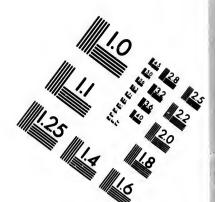
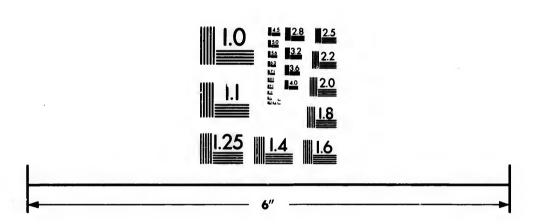


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On leaving Two Rivers, the steamers ed before eaching the Strait of Mackinac, passing through the Straits usually run which, opposite Old Fort Mackinac, is for the Manitou Islands, Mich., a distance shout 100 miles. Soon after the last Old Fort Mackinac is on the south main vestige of land sinks below the horizon on the west shore, the vision catches the dim outline of coast on the east or Michigau shore at Point aux Bec Scies, which is about 30 miles south of the Big Manitou Island. From this point, passing northward by Sleeping Bear Point, a aingular shaped headlend looms up to the view. It is said to resemble a sleeping bear. The east shore of Lake Michigan presents a succession of high sand-banks for many miles, while inlard are numerous small bays and lakes.

LITTLE, OF SOUTH MANITOU ISLAND, 260 miles from Chicago, and 110 miles from Mackinac, lies on the Michigan side of the lake, and is the first island encoun-tered on proceeding northward from Chi-cago. It rises abruptly on the west above 2 cr 300 feet from the water's edge, sloping toward the east shore, on which is a light-house and a fine harbor. Here steamers stop for wood. Big or North Manirou is nearly twice as large as the former island, and contains about 14,000 acres of land. Both islands are settled by a few families, whose principal occu-pation is fishing and cutting wood for the

use of steamers and sailing vessels.

FOX ISLANDS, 50 miles north from South Manitou, consist of three small islands Martin lie within the waters of the strait, lying near the middle of Lake Michigan, eight or ten miles north of the island of which is here about 60 miles wide. the west is the entrance to Green Bay, on the east is the entrance to Grand Trav-

oa the east is the entrance to Grand Traverse Bay, and immediately to the north is the entrance to Little Traverse Bay.

GREAT and LITTLE BEAVER Islands lying about midway between the Manitour Islands and Mackinac, are large and fertile bodies of land, formerly occupied by a Marking with the most east-since the most east-sin ern settioment

or Michigan shore, directly opposite Point Ste. Ignace, on the north main shore. St. Helena Island lies at the entrance of the strait from the south, distant about fifteen miles from Mackinac.

OLD FORT MACKINAC,* now called Mackinac City, is an important and interesting location; it was formerly fortified and garrisoned for the protection of the strait garrisoned for the protection of the strat-and this section of country, when in-habited almost exclusively by various tribes of Indians. This place can be easily reached by sail-boat from the island of Mackinac.

PTE. LE GROS CAP, lying to the west of old Fort Mackinac, is a picturesque head-land well worthy of a visit.

The STRAIT OF MACKINAG is from five The STRAIT OF MACKING is from five to twenty miles in width, and extends cast and west short forty miles, embosoming several important islands besides Mackinac Island, the largest being Bois BEANO ISLAND, lying near the head of Lake Huron. Between this island and the main north shore the steamer Garden CITY was wrecked, May 16, 1864; her upper works were still visible from the upper works were still visible from the deck of the passing steamer in the fall of

the same year.
GROSSE ILE ST. MARTIN and Ile St. eight or ten miles north of the island of Mackinac. In the neighborhood of tiese different islands are the favorite fishinggrounds both of the Indian and the "paie

GARDEN and Hoe Islands are next pass- in 1670.

35 A

water battery. This important island and the attention of the tourist. The Mission fortress is situated in N. lat. 45° 54′, W. House and Island House are the principal hotels, while there are several other good public-houses for the accommodation of visitors. ington. It is 300 miles north from Unicago, 100 miles south of Saut Ste. Marie by
the steamboat route, and about 300 miles
northwest from Detroit. Firt Mackinac,
garrisoned by U. States troops, stands on
elevated ground, about 200 feet above the water, overlooking the picturesque town end harbor below. In the rear, about half a mile distant stand the ruins of old Fort Holmes, situated on the highest point of land, at an elevation of 320 feet above

of land, at an elevation of 320 feet above the water, affording an extensive view. The town contains two churches, five hotels, ten or twelve stores, 100 dwelling-houses, and about 700 inhabitants. The climate is remarkably healthy and delight-ful during the summer months, when this favored extensi is usually thoused with favored retreat is usually thronged with visitors from different parts of the Union, while the Indian warriors, their squaws and their children, are seen lingering around this their favorite island and fishing-ground.

The Island of MACKINAO, lying in the Strait of Mackinao, is about three mires long and two railes wide. It contains Strait of Maokinac, is about three miles long and two miles wide. It contains many deeply interesting points of attraction in addition to the village and fortress; the principal natural curiosities are known as the Arched Rock, Sugar Loaf, Lover's dered to the American government; taken Loap, Devil's Eitchen, Robinson's Folly, and other objects of interest well worthy

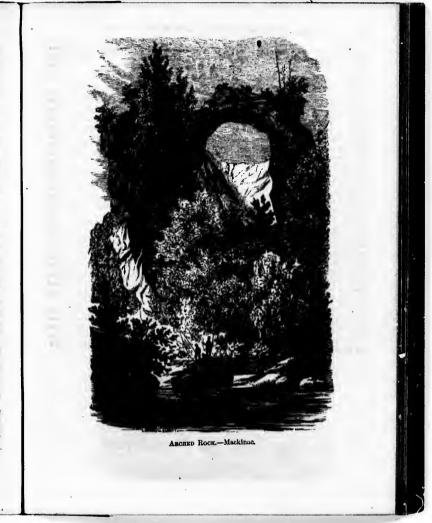
represents the Island, approaching from the eastward. "A cliff of limestone, white represents we research the eastward. "A cliff of limestone, white and weether-beaten, with a narrow alluvial plain skirting its base, is the first thing which commands attention;" but, on nearing the harbor, the village (2), with its many picturesque dwellings, and the fortress(8), perched near the summit of the Island, are gazed at with wonder and delight. The promontory on the left is called the "Lover's Leap" (1), skirted by a pebbly beach, extending to the village. On the right is seen a bold rocky precipice, called "Robinson's Folly" (5), while in the same direction is a singular peak of nature called the "Sugar Loaf." Still farther onward, the "Arched Rock; and other interesting sights, meet the eye and other interesting sights, meet the eye of the explorer, affording pleasure and delight, particularly to the scientific traveller and lover of nature. On the highest ground, elevated 320 feet above the waters



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the principal eral of her good commodation of

The view given proaching from imestone, white a narrow alluse, is the first ttention; but, the village (2), dwellings, and ear the summit at with wonder tory on the left ap" (1), skirted tending to the een a bold rocky on's Folly" (5), on is a singular "Sugar Loaf." "Arched Rock," ts, meet the eye pleasure and decientific traveller. On the highest above the waters station (4), situ-For Holmes. Island was comed it was surrenernt; taken but restored by din Nov., 1814



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No.

Island.—Ter's Leap."
of the village perpendicus height, risis Lake. A stood upon has cut dow Long bef sland home enung-o-question of the old by the standard of the old by the ol

5. 1

43

"Mong-e-do-gwein, in-de-nain-dum, Mong-e-do-gwein, in-de-nain-dum; Wein-shung-ish-wen, neen-e-me-shane Wain-shung-ish-voen, neen-e-me-shane A-noe-wan-wan-sau-bo-s-zode,"

I give but one verse, which may be translated as follows:

A loon, I thought was looming, A loon, I thought was looming; Why! It is he, my lover, Why! It is he, my lover. His paddle, in the waters gleaming, His paddle in the waters gleaming.

From this bluff she often watched and listened for the return of the war parties, for amongst them she knew was Ge-niw-efor amongst them she knew was Ge-niwegwon; his head decorated with war-eagle
plumes, which none but a brave could
sport. The west wind often wafted far
in advance the shouts of victory and
death, as they shouted and sang upon
leaving Po-quot-e-nong (old Mackinac), to

The Lever's Leap.—Mackinac Islamb.—The huge rock called the "Lover's Leap," is situated about one mile west of the village of Mackinac. It is a high perpendicular bluff, 150 to 200 feet in height, rising boldly from the shore of the Lake. A solitary pine-tree formerly stood upon its brow, which some Vandal has cut down.

Long before the pale faces profaned this island home of the Genii, Me-che-ne-mock-enung-o-qua, a young Ojibway girl, just maturing into womanhood, often wandered there, and gazed from its dizzy heights and witnessed the receding cances of the large war parties of the combined bands of the Ojibways and Ottawas, speeding South, seeking for fame and scalps.

It was there she often sat, mused, and hummed the songs Ge-niw-e-gwon first met and exchanged words of love, and found an affinity of souls or spirits existing between them. It was there she often sat, mused, and exchanged words of love, and found an affinity of souls or spirits existing between them. It was there she often sat, and exchanged words of love, and found an affinity of souls or spirits existing between them. It was there she often sat and sang the Ojibway love song—

"Mong-e-do-gwain, in-de-nain-dum; Mong-e-do-gwain, in-de-nain-dum; thrown saide its covering of earth, and thrown saide its covering of earth, and thrown saide its covering of earth, and

of his tribe.

One morning her body was found mangled at the foot of the bluff. The soul had thrown aside its covering of earth, and had gone to join the spirit of her beloved. Ge-niw-e-gwon, to travel together to the land of spirits, realizing the glories and bliss of a future, eternal existence.

Yours, &c., Wm. M. J * * * * *

ALTITUDE OF VARIOUS POINTS ON ISLAND OF MACKINAC.

Localities.			ove Huron.		Above the Sea	
	Lake Hnron	000	feet.	574		
	Fort Mackinae	150	44	794	44	
	Old Fort Holmes	. 815	44	889	64	
	Robinson's Folly	. 128	4	702	44	
	Chimney Rock	181	44	705	4	
	Top of Arched Rock	140	44	714	44	
	Lover's Leap	. 145	4	719	44	
	Summit of Sugar Loaf	. 284	**	858	44	
	Principal Platean of Mack- inac Island	160	4	784	*	
	Upper Plateau	800	64	874	4	
	La Cioche Mountain, north	1,200	4	1,774	4	

88

The whole Island of Mackinac is deeply interesting to the seeker of health and please well as to the seeker of health and please rug. The following extract, illustrated by an engraving, is copied from "Foster manifested in the range of the Pictured Rocks on the shores of Lake Superior. As an interesting point in the scenery of that region:

"As particular examples of denuding action on the island, we would mention the 'Arched Rock' and the 'Sugar Loaf.' Other picturesque objects of great interest. The cliffs here attain a height of nearly one hundred feet, while at the base are strewn numerous fragments which have fallen from above. The Arched Rock has been excavated in a projecting angle of the limestone cliff, and the top of the span is about ninety feet above the lake-level, surmounted by shout ten feet of work. At the base of a stream of the span is about a frame. feet, while at the base are strewn numerous fragments which have fallen from above. The Arched Rock has been excavated in a projecting angle of the limestone cliff, and the top of the span is about ninety feet above the lake-level, surmounted by about ten feet of rock. At the base of a projecting angle, which rises up like a buttress, there is a small opening, through which an explorer may pass to the main arch, where, after clambering over the steep slope of debris and the projecting edges of the strata, he reaches the brow of the cliff.

"The beds forming the summit of the

"The beds forming the summit of the arch are cut off from direct connection with the main rock by a narrow gorge of no great depth. The portion supporting the arch on the north side, and the curve of the arch itself, are comparatively fragile, and cannot, for a long period, resist the action of rains and frosts, which, in

The Island of Mackinac.

ROMANTIC AND PICTURESQUE APPEARANCE OF THE ISLAND AND SUREOUNDING COUNTRY—ITS PURITY OF ATMOSPHERE -A MOONLIGHT EXCURSION, &c., &c.

— A MOONINGHT EAU SERION, 60...

— From whose rocky turrets battied high, Prospect immense spread out on all sides round; Lost now between the welkin and the main. Now walled with hills that slept above the storm, Most fits such a piace for musing men; Happiest, sometimes, when musing without aim. POLLOK.

gile, and cannot, for a long period, resist the action of rains and frosts, which, in this latitude, and on a rock thus constituted, produce great raveges every season. The arch, which on one side now connects this abutment with the main cliff, will soon be destroyed, as well as the abutment itself, and the whole be precipitated into the lake.

"It is evident that the denuding action roducing such an opening, with other attendant phenomena, could only have operated while near the level of a large body of water like the great lake itself; and we find a striking similarity between In this Northern region, Nature has at

air, that health in ing throu if ever, ex cause. the hottes keeps the one feels of spirits

pant in ci-to this is is the pla shattered beautiful and the lights to not sigh subjects o lmagination This is riage road young gro trees. O

trees. O From this are some tales of th age and th across an Ignace, w of land, of per Penin e,e the " arating th miles wide be seen tr destroyed stigation Turning o were at o the water here in e action as now Lake Superior. in the scenery of ed Rock attracts every respect is
' (See Engraving.)
jects of great insumerated above,
roving about this re the pure, bra-ers afford a plea-ilt to be described

re waters of the truly delightful; for to the human

Mackinac.

QUE APPEARANCE D SURROUNDING OF ATMOSPHERE RSION, &c., &c. turrets battled high, ut on all sides round; kin and the main, dept above the storm, or musing men; uasing without alm."

n, Nature has at en dreas. Flow-Birds of various our groves, and hese shady walks." no place wherein the summer seal of the human con al influence than her parts of this he places of Resort ut a certain op

not sigh for the sunny clime of Italy for subjects on which to feed the taste and

subjects on which to feed the taste and imagination.

This island is intersected by fine carriage roads, shaded here and there by a young growth of beech, maple, and other trees. On the highest part of it, about 300 feet, are the ruins of Old Fort Holmes. From this point of elevation, the accency around is extensive and boautiful. In sight, are some localities connected with "the tains of the times of old," both of the savage and the civilized. Looking westwardly, and at the distance of about four miles across an arm of Lake Huron, is Point St. 1), and at the distancy of about four miles agross an arm of Lake Huron, is Point St. Ignace, which is the southernmost point of land, of the greater portion of the Upper Peulinsula. Immediately south of it as the "Straits of Mackinac," which september 1 when the Straits of Mackinac, when the Straits of Mackinac, which september 1 when the Straits of Mackinac, which we shall september 1 when the Straits of Mackinac, which is the southern the Straits of Mackinac, which is the Straits of erating the Northern and Southern Penin-

sir, that a person even with the best bealth in the world, feels a lassitude creeping through his frame. Here, we seldom, if ever, experience such a feeling from this cause. For the western breeze even in the hottest days passing over this island, keeps the air cool, and, especially if proper exercise be taken by walking or riding, one feels a bracing up, a certain buoyancy of spirits that is truly astonishing.

Ye inhabitants of warm latitudes, who pant in cities for a breath of cool air, fly to this isle for comfort. Ye invalid, this is the place in which to removate your shattered constitution. The lovers of beautiful scenery or the curious in nature, and the artist, whose magio pencil delights to trace nature's lineaments, need not sigh for the sunny clime of Italy for channels, or straits, which at times are whitened by numerous sails of commerce; and there, it spreads itself away as far as the eye can reach. And, while contemplating this scene, perhaps a dark column of smoke, like the Genii in the Arabian Tales, may be seen rising slowly out of the bosom of Lake Huron, announcing the approach of the Genii of modern days, the Steamboat! Let us descend to the

> It is evening! The sun, with all his glory has disappeared in the west; but the moon site in turn the arbitrees of heaven. And now

"How sweet the moonlight eleeps upon this ban Here will we sit, and let the sounds of maste Creep in our cars; soft stillness and the night, Becomes the touches of sweet harmony."

Such a moonlight night I once enjoyed.

The hum of day-life had gradually subsided, and there was naught to disturb the stillness of the hour, save the occasional laughter of those who lingered out in the open air. In the direction of the moon, and on the Lake b-fore me, there was a broad road of hight trembling upon its hosom. A few moments more, two small stating the Northern and Southern Peninsulas from each other, are about four miles wide. On the south shore, may still be seen traces of Old Fort Mackinac, which is well known in history as having boen destroyed by Indians, in 1763, at the instigation of Pontiac, an Indian Chief.

Turning our gaze southeastwardly, we see the picturesque "Round Island," as it broad road of light trembling upon the picturesque "Round Island," as it bosom. A few moments more, two small boats with sails up to catch the gentle "Bois-Blane Island," attetching away

this broad road of light. Then the vocal song was raised on the waters, and wo-man's voice was borne on moonlight beam to the listening ear in the remotest shades. The voices became clearer and stronger as the boats approached nearer; then, as the bosts approached nearer; then, again, dying away in the distance, seemed to be merged with the mellow rays of the moon. But let us leave poetry and fancy aside, and come to matters of fact, matters of accommodation, prepared for those who may favor our island with their visits this summer.

There are several large hotels, with at tentive hosts, ever ready to contribute to-wards the comforts of their visitors. Walkwards the comforts of their visitors. Walk-ing, riding, fishing, shooting, and sailing can be here pursued with great benefit to health. We have billiard-rooms and bowl-ing-alleys; in the stores are found Indian curiosities; and, perhaps, the Indians themselves, who resort to this island on business, may be curiosities to those who have never seen them; they are the true "native Americans," the citizens of this North American Republic.

ROUND ISLAND is a small body of land lying a short distance southeast of Mackinac, while Bois Blanc Island is a large

nac, while Bois Blano Island is a large body of land lying still farther in the dis-tance, in the Straits of Mackinac. St. Martin's Bay, and the waters con-tiguous, lying north of Mackinac, afford fine fishing grounds, and are much re-sorted to by visitors fond of aquatic sports. Great St. Martin's and Little St. Martin's blands are messed before arraine the

Great St. Martin's and Little St. Martin's the main channel of the river, about 12 blands are passed before entering the bey, and present a beautiful appearance.

OARP and PINE rivers are two small streams entering into St. Martin's Bay, affording an abundance of brook trout of a large size. From the head of the above bay to the foot of Lake Superior, is only about 30 miles in a northerly direction, passing through a wilderness section of country, sparsely inhabited by Indians, who have long made this region their favored hunting and fishing grounds.

POINT DE TOUR, 86 miles east from Mackinac, is the site of a light-house and, settlement, at the entrance of fit. Mary's. River, which is here about half a mile width; this passage is also called the West Channel. At a distance of about two miles above the Point is a new sottlement, where have been erected a steam-boat pier, a hotel, and several dwellings.

tlement, where have been erected a steamboat pier, a hotel, and several dwellings.

DRUMKOND ISLAND, a large and important body of land belonging to the United. To
States, is passed on the right, where are to
be seen the ruins of an old fort erected.
by the British. On the left is the mainland of Northern Michigan. Ascending.
St. Mary's River, next is passed ROUND or.
PIPE ISLAND, and other smaller islands
on the right, presenting a beautiful appearance, most of them belonging to the.
United States.

Sr. JOSEPH ISLAND, 10 miles above
Point de Tour, is a large and fertile island
belonging to Canada. It is about 20
miles long from east to west, and about
15 miles broad, covered in part with a
heavy growth of forest-trees. Here are
seen the ruins of an old fort erected by the
British, on a point of land commanding the
channel of the river.

CARLTONYILLE is a small settlement on
the Michigan side of the river. 12 miles

CARLTONVILLE is a small settlement on

CARTONVILLE is a small settlement on the Michigan side of the river, 12 miles, above the De Tour. Here is a steam saw, mill and a few dwelling-houses.

LIME ISLAND is a small body of land; belonging to the United States, lying in the main channel of the river, about 12, miles from its mouth. The channel here.

are about fi United State ohowo!)

NEBISH I ment, sltuat Point to the while sailing

SUGAR IS land belong reached abo Tour, situat Island. On or North Ch with Georg mail rocky lah Govern channels of

The Nebi the ascendir ning about i land of Ca above the dense grow tending thralmost who except to th

LAKE GE Saut, is and being about long. Here to ten feet forming a tion.

CHURCH's twelve mile boat landir ISLAND, bel is a conveni a store and occupants in raspherry justifies, and all markets.

Garden light-house and e of Ft. Mary's it half a mile in also called the stance of about at is a new seterected a steam arge and impor-ng to the United T ght, where are to all old fort erected of eft is the mainpassed Round or smaller islands a beautiful ap-

10 miles above and fertile island It is about 20 west, and about in part with a rees. Here are ort erected by the commanding the

all settlement on e river, 12 miles is a steam sawall body of land

States, lying in river, about 12 The channel here ween the United

lled, owing to its is an expansion niles wide and ten irately delineated ips, which appear gard to St. Mary's ands—presenting t beautiful river ary's River there

NEBSH ISLAND, and Sailor's Encomp-ment, situated about half way from the Point to the Saut, are passed on the left while sailing through the main channel. SUGAR ISLAND, a large body of fertile land belonging to the United States, is reached about 30 miles above Point de Tour, situated near the head of St. Joseph Island. On the right is passed the British or North Channel, connecting on the east with Georgisn Bay. Here are seen two small rocky islands belonging to the British Government, which command both channels of the river.

The Nebish Rapids are next passed by The Nebish Kapids are noxt passed by the ascending vessel, the stream here running about five knots per hour. The mainland of Canada is reached immediately above the rapids, being clothed with a dense growth of forest-trees of small size. To the north is a dreary wilderness, extending through to Hudson Bay, as yet almost wholly unexplored and unknown, when I will be a canadian unknown.

except to the Indian or Canadian bunter.

LAKE GEORGE, twenty miles below the Saut, is another expansion of the river, being about five miles wide and eight miles long. Here the channel is only from eight to ten feet in depth for about one mile. forming a great impediment to naviga-

'CHURCH'S LANDING, on Sugar Island, twelve miles below the Saut, is a steamtwelve miles below the Saut, is a steambeat landing; opposite it is Squinner Istann, bolonging to the Canadians. This is a convenient landing, where are situated a store and dwelling. The industrious occupants are noted for the making of rasperry jam, which is sold in large quantities, and shipped to Eastern and Southern making as

Garden River Settlement is an Indian

re about fifty islands belonging to the United States, besides several attached to Canadian shore. Here are n missionary church and several dwellings, surrounded by grounds poorly cultivated, fishing and hunting being the main employment of the Chippewa Indians who inhabit this section of country. Both sides of the river abound in wild berries of good flavor, which are gathered in large quantities below the Saut, en the Canadian shore. Here are n missionary church and several dwellings, surrounded by grounds poorly cultivated, fishing and hunting being the main employment of the Chippewa Indians who inhabit this section of country. Both sides of the river abound in wild berries of good flavor, which are gathered in large quantities below the Saut, en the Canadian shore. Here are n missionary church and several dwellings, surrounded by grounds poorly cultivated, fishing and hunting being the main employment of the Chippewa Indians who inhabit this section of country. Both sides of the river abound in wild berries of good flavor, which are gathered in large quantities when the section of country. the Indians, during the summer months.

Extract from a letter dated SAUT STR

MARIE, Sept., 1854:

"The scenery of the St. Mary's River seems to grow more attractive every year. seems to grow more stractive every year. There is a delicious freshness in the countless evergreen islands that dot the river in every direction, from the Falls to Lake Huron, and I can imagine of no more tempting retreats from the dusty streets of towns, in summer, i.an these islands, I believe the time will soon come when neat summer cottages will be scattered along the steamboat route on these charming islands. A summer could be delightfully apent in exploring for new scenery and in fishing and sailing in these waters.

"And Mackinac, what an attractive little piece of terra firms is that island—half ancient, half modern! The view from the fort is one of the finest in the world. Perched on the brink of a precipice some two hundred feet above the bay—one takes in at a glance from its walls the harbor, with its numerous boats and the pretty. There is a delicious freshness in the count-

bor, with its numerous boats and the pretty village; and the whole rests on one's vision more like a picture than a reality. Every thing on the island is a curiosity; the roads or streets that wind around the harroads or streets that wind around the har-bor or among the grove-like forests of the island are naturally pebbled and macadam-ized; the buildings are of every stylo, from an Indian lodge to a fine English house. The island is covered with charming natural scenery, from the pretty to the grand, and one may spend weeke con-stantly finumg new objects of interest and new scenes of beauty. It is unnecessary to particularize—every visitor will find

• A new channel has been formed, by dredging, which gives a greater depth of water.

have here their head-quarters. Drawn upon the pebbled beach or gliding about the little bay are bark cances and the far-famed 'Mackinac boats,' without number. These last are the perfection of light sail-boats, and I have often been astonished at seeing them far out in the lake, beating up sgainst winds that were next to gales. Yesterday the harbor was thronged with sail boats and vessels of light to gales. Yesterday the harbor was thronged with sail boats and vessels of light to gales. The weather continues was the law to gales. Yesterday the harbor was thronged with sail boats and vessels of light to gales. Yesterday the harbor was thronged with sail boats and vessels of light to gales.

them, and enjoy the sight more than any description.

"The steamers all call there, on their way to and from Chicago, and hundreds of small sail vessels, in the fishing trade, have here their head-quarters. Drawn when the public heads are significant to the control of the con

Survey.
"For a wonder, Lake Huron was calm

the entrance. Potagannissing Bay, dotted with numerous small islands, mostly belonging to the United States, is seen lying to the eastward, communicating with the North Channel. Mud Lake, 6 miles

st. Mary's River.

By a careful examination of the Government Charts of the Straits of Mackinac and River Ste.

Marie, published in 1857, it appears that the Point DeTour Light-House is situated in 45° 57' N. Lat., being 36 miles to the eastward of Fort Mackinac. The width of the De Tour passage is about one mile, with a depth of water of 100 feet and upwards, although but 50 feet is found off the light, as you run into Lake Huron. Drummond Island, attached to the United States, lies on the east, while the main shore of Michigan lies to the west of the entrance. Pipe Island, 4 miles, is first passed on ascending the stream, and then Lime Island, 6 miles further, St. Joseph's and part of Sugar from the De Tour, where diverges the Canadian or North Channel, running into the Georgian Bay; this channel is followed by the Canadian steamers. The Neith Rapids are next passed, and Lake George entered, 6 miles further, being 32 miles from Lake Huron. This lake or expansion of the river is 9 miles in length and 4 miles broad, affording 12 feet of water over the shoals and terminating at the stream, and then Lime Island, 6 miles further, lead of the Canada side. Little Lake George is passed and Point Aux Pine reached, 3 miles further. From Little

Lake Georg aing around 8 miles fur Huron. T tend for ab river is no entered, 6 in the St. Mai The channe between Cafollowed by the lower Lake Supe Island and be more of waters, wi Straits of I rich and v once the the red maing away b Saut S pewa Co., h on St. Mar N.N.W. of

foot of Lal The Rapide to the set river, have distance of limit of nav ever, which culty. Ste ringa of Sei

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g the rest were ers that the Unf-li the lakes, the rveyor,' formerly oyed in the Coast

Huron was calm e length, and the made a beautiful Mackinso to this regretung they Il see crowds of JAT."

nce. Potagannis, dotted with numerical islands, mostging to the United a seen lying to the last end lying to the last end of the l nnel, running into is channel is fol-n steamers. The passed, and Lake further, being 32 This lake or ex-

9 miles in length ording 12 feet of and terminating at g opposite Squir-Canada, Garden les, ia an Indian side. Little Lake Point Aux Pins her. From Little Lake George to the Saut Sie. Marie, passing around the head of Sugar Island, is 8 miles further, teing 55 miles from Lake Huron. The Rapida, or Ship Canal, extend for about one mile, overcoming a fail of 20 feet, when a beautiful stretch of the river is next passed and Waiska Bay entered, 6 miles above the rapida; making the St. Mary's River 62 miles in length. The channel forming the boundary line between Canada and the United States is followed by the ascending steamer from the lower end of St. Joseph's Island to Lake Superior, while a more direct passage is afforded for vessels of light draught through Hay Lake, lying west of Sugar Island and entering Mud Lake. Nothing can be more charming than a trip over these waters, when salling to or from the Straits of Mackinac, thus having in view rich and varied lake and river scenery, once the exclusive and favored abode of the red man of the forcet, new fast passing away before the march of civilization.

Saust Sto. Mary's River, or Strait, 350 miles N.N.W. of Detroit, and 15 miles from the foot of Lake Superior, in N. lat. 446 31.

The Rapids at this place, giving the name to the settlements on both sides of the river, have a descent of 20 feet within the distance of a mile, and form the natural limit of navigation. The Ship Canal, low-ver, which has recently been constructed on the American side, obviates this difficulty. Stamers of a large class now pass through the locks into Lake Superior, when fact passing the locks into Lake Superior, when fact passing the control of the rapids.

Settled in 1668 by the France.

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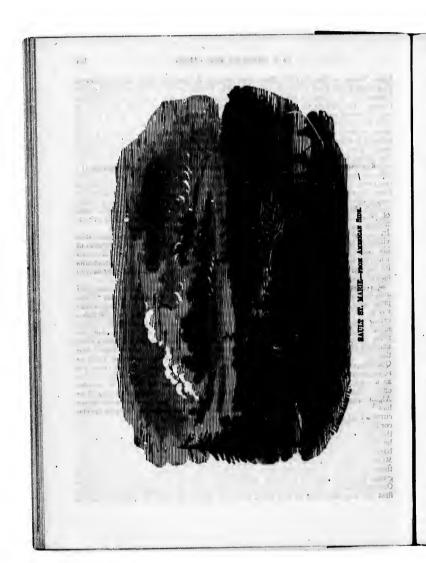
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Father Marquette and his Discovery of the Mississippi River.

[Written for the "Lake Superior Mining Journal" by Adrian J. Ebell.]

OUR hero, JAMES MARQUETTE, was born of the noble family of Marquette, in the northern part of France, in the year 1637. In the city of Laon, on the meandering, vine-ciad, clive-girt little River Oise, where his ancestors had raised and exerted a vine-clad, olive-girt little River Oise, where his ancestors had raised and exerted a wide influence for generatious before him, he also spent h.s youthful days till the age of seventeen; he then attached himself to the Society of Jesus, or Jesuits, and with them pursued a course of study preparatory to the priesthood. When invested with orders, having a strong preference for the missionary work, he determined to make the wilds of America the fields for his future labor. So, in the summer of 1666, he sailed for Canada, on the 20th of September, and landed at Quebec, then but a trading-post. He was soon recognized, by his courage and zeal, as a man specially fitted to advance the efforts that had been made among the Algonquins on Lake Superior, but which had been nearly extinguished by the incursions of the warlike Iroquois. Accordingly, Father James Marquette, on the 10th of October of the same year that he landed, embarked again, but now in a bark cance, conducted by a couple of the Mission Indians, for the "Three Rivers," there to commence the study of the language, and soon after he proceeded to the Ottawa Mission on Lake Superior. At first he was stationed at the Sault Ste.

mission at La Pointe.

The bands that lived about the south-weatern shores of the lake were annually visited by the Iilinois, who came from their broad prairie-homes on the "Great Mississippi," for the purpose of obtaining by barter the trinkets and chattels distributed by the French. The glowing description given by these of the "Great Water," the Mississippi, that flowed south through many nations, and emptied itself, after many moons' journeyings, into the salt sea, awakened in Father Marquette an ardent desire to explore this mysterious river, find whether or no the sea it emp-

Louis, near Montreal, and thus the only remaining account of the expedition was

that prepared by Marquette.

that prepared by Marquette.

In two bark cances, their entire outfit a stock of corn and dried meat, with five Indian attendants, Jolliet and Marquette, on the 17th of May, 1873, started from the Mission of St. Ignatius, at Michilmackinac, for the exploration of the Mississippi. Coasting along the shore, with every precaution to avoid surprise, they entered and went up Green Bay, and ascended the Fox River for a distance of 260 miles to its source. in a level prairie ascended the Fox River for a distance of 260 miles to its source, in a level prairie flat, but a little distance from the springs of the Wisconsin, which flowed into the Great Waters they were in search of Having carried their cances over the narrow portage, they continued their voyage down the shallow river, often quite hid from sight by the growth of wild oats, through which they had to open a way for their cance, as one would through the thicket. As they descended, it grew breader, and dashed about among reeds and sandy sheals. About 30 leagues below broader, and dashed about among reeds and sandy shoels. About 30 leagues below its source they found what they took to be an 1:0x mine, and somewhat farther on, about 120 miles below the portage, on the 17th of June, "with," says Marquette, "a joy that I cannotexpress," they entered the Mississippl River. Down its gentle current they glided, by the unique though varied scenes, with countless herds of buffalo and deer on its shores, and innumerable fish in its waters, until, in some ten days, for the first time since they left the lakes, they perceived some indications of humanthey perceived some indications of humanity. From the river-side a winding footpath led off through the prairie; following this, Jolliet and Marquette soon came to

nied by Father Marquette, to make the discovery; but on their return, Jolliet's journals and reports were lost by the upsetting of their cance below the Sault St. ther, for danger would encompass them.

urged our adventurers not to proceed farther, for danger would encompass them on every side; but, nothing daunted, again they emberked, and after a journey, southward of some 60 miles, they came to the river Onabonbigan, or Ohio, a little after which they discovered what they supposed to be a very rich iron mine.

On they still went, through several nations of hostile Indians, encountering dangers of every kind, until they came among the Akamese or Arkansas Indians, nearly where De Soto had breathed his last, 130 years before. From this tribe they learned they were only ten days journey from the sea, where were stationed traders who appeared much like themselves, and came and went in great ships. Judging these correctly to be Spaniards, our travellers were in doubt whether it would be best for them to push on to the mouth of the river or not. They had already ascertained for a cerwhether it would be best for them to push on to the mouth of the river or not. They had already ascertained for a certainty that the Mississippi emptied, not, as was supposed, on the eastern coast of Virginia, or through California into the Western Ocean, but into the Gulf of Mexico, from which they certainly could, not be far; that mouth they knew to be held by the Spaniards, with whom they were on no friendly terms. Should they happen to fall into the hands of these Spaniards, they could anticipate nothing less than to be held as prisoners, since not only were their respective countries at war, but that the results of their explorations might not be carried back to the French, and thus induce encroachments on the territory held in the name of Spain. Thinking it then more prudent, to return, that the fruits they had already, gathered might not be at once lost by an path led off through the prairie; following gathered might not be at once lost by an this, Jolliet and Marquette soon came to effort to grasp too much, on the 17th of an Indian village, in which they were cordially received, and which proved to be of the Illinois, the very people among the Mississippi current. They took, on refurning, Having aso crossed ove River, and called Lake changed it Coasting al to Green B of St. Fran on account state of hi

This was of the Miss Soto, it is of having i 1541; but, expeditions of gain and that would one with m was quite that still re character, t In accor

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FIRST vi and Jesuit Permane who, four y ney to La P ands, Lake Indian miss had so long de-They strongly to proceed farncompass them thing daunted, after a journey iles, they came or Ohio, a little red what they iron mine. brough several

s, encountering kansas Indians, ad breathed his From this tribe only ten days' where were atad went in great correctly to be were in doubt at for them to the river or not. ained for a cer-

pi emptied, not, eastern coast of lifornia into the iffornia into the to the Gulf of y certainly could they knew to be with whom they as. Should they hands of these niticipate nothing prisoners, since pective countries ults of their excarried back to induce encroachield in the name, ien more prudent, they had alrea ty

t once lost by an a, on the 17th of ge Akamses, and k their cances up They took, on returning, however, a different course. Having ascended the Illinois River, they crossed over the portage to the Chicago River, and thence down to what was then called Lake Illinois, but which has since changed its name to Lake Michigan. Coasting along the abore, they returned to Groen Bay, and there, at the Mission of St. Francis Xavier, Father Marquette, on account of the enfeebled and abattered state of his health, spent the ensuing winter and aummer of 1874.

This was in reality the first exploration

This was in reality the first exploration of the Mississippi River. Ferdinand De Soto, it is true, generally has the credit of having first discovered it as early as of naving first discovered it as early as 1541; but, in the first place, whatever expeditions he made were for the purpose of gain and plunder, and so a great deal that would have demanded the notice of one with more liberal and unselfah aims, was sould be assed over hy him and the was quite passed over by him; and then the accounts and reports of his travels that still remain are of such an unreliable

journey, more exclusively than the first, of a religious character. Though detained on the way by illness, he reached the Illinois nation, on the Mississippi, and commenced a mission in their midst, as he had long desired; but he was obliged, the following spring, on account of his declining health, to commence his return, that he might, if possible, die where some Christian brother could give him an appropriate burial; but in this he was disappointed. His health and strength continued failing rapidly, until, on the 16th of May, 1876, on the shore of Lake Michigan, just within the mouth of a little river that bears his name, he was lifted out of his cance and placed under a shed of bark and twigs, but to be borne thence to his grave on an eminence overlooking both lake and river. Subsequently, the Kishabon Indians, once of the mission at La Pointe, dug up and unrolled the remains, and dissecting and washing the bones, according to their custom, put them neatly into a box of birch bark, and bore them, with a convoy of thirty cances, to the house of St. Ignatius, at Michillimseldnac, where they were interred with all due ceremonies, to be disturbed again, that still remain are of such an unreliable character, that but little dependence can be placed in them.

In accordance with his promise to the mations on the Mississippi River, Father Marquette embarked, in the month of November, 1874, to take among them another

DISCOVERY AND SETTLEMENT OF MACKINAC.

Old Mackinac.

FIRST visited by the Courriers du Bois and Jesuit missionaries in 1620.

Permauent settlement in 1671, by Father

Emili

MARQUETTE, an eminent Jesuit missionary, who, four years previous, in 1667, visited the Sault Ste. Marie, and extended his jourthe Sault Ste. Marie, and extended his jour-ney to La Pointe, on one of the Apostle Isl-ands, Lake Superior, where he located an Indian mission. In 1669 he came to Point Sk' Ignace, in the Straits of Mackinac, and Ohio River, and returned to Lake Michi-established another Indian mission. Two

years thereafter, he located a mission and trading-station at Old Michilimackinac, or "Pequotenonge" of the Chippewa dialect. In 1673, Father Marquette, by order of his superiors, left St. Ignace and proceeded to Green Bay, thence up the Fox River, crossing Lake Winnebago, and down the Wisconsin River to the Mississiphetical the first discovered and explorer.

being the first white man that ever visited the above region of country.

On the 19th day of May, 1675, Father Marquette, whose life was devoted to the cause of religion and the welfare of the Indians, died on the east shore of Lake Huron, Michigan, and Superior, forming a numerout and war-like people, under different chiefs. After the massacre at Old Michilimackinac, in 1764, the Island of Mackinac was selected by the English as a military position, and the present fortifications commenced which stand on the brow of the hill overlooking the town, now ren-Indians, died on the east snore of Lake Michigan, at the mouth of the present Harquette River. His body was subse-quently brought by the Indians, in 1677, to St. Ignace Mission, where his remains were interred, according to his own re-

quest when living.
Old Michilimackinac was for many years the metropolis of the Chippewa and Ottawa tribes of Indians, the country being claimed by the French, who traded with the Indians, it being the rendez-vous of all the tribes in this part of the country.

The Indians remained on friendly terms The Indians remained on friendly terms with the French until 1760, when the English took possession of the country after the capture of Quebec and capitulation of the French forces in Canada.

In 1781, the English built a palisade fort at Old Michilimackinac, and traded fort at Old Michilimackinac, and traded with the Indians, many of whom were very hostile. In May, 1763, the garrison was surprised, and most of them massacred by the Indians. Out of twelve English posts above Montreal, nine were similarly surprised and captured by the combined Indian forces under the celeptated Indian chief Powttac. Niagara, Detroit, and Du Quesne, or Pittsburgh, alone narrowly escaped a similar fate. After the above massacre, Old Michilimackinac was shandoned by the English, and the Island of Mackinac selected as a permanent settlement in 1764. permanent settlement in 1764.

Island of Mackinac.

First visited by the French in 1620, who found it numerously inhabited by Indians of the Chippewa, Huron, and Ot-tawa tribes, who resided on the Great

commenced which stand on an above the hill overlooking the town, now rendered famous as a healthy place of resort for invalids and others during the summer and autumn months.

The Indian name of this lovely and romantic island was Ke-she-ne-mock-e-nong-gonge, or the Island of "Great Giant Fairies or Genii." According to Schoolcraft, the name of the island was translated from another Indian word into the Island of the "Great Turtle."

After the Revolutionary War, in 1793, the island and fortress were surrendered to the American Government by the British, and remained in our possession until 1812, when the garrison was surprised and captured by a British force of regulars and Indians, who landed on the north side of the island, now called the English Landing. In 1814, an American force, under Colonel Croghan, of Sandueky notoriety, undertook to recapture the fort, but were met on the Dousman Farm, near the present dwellium-house, and remined ish, and remained in our possession until the present dwelling-house, and repuised with considerable loss, Major Hoimes, the second in command, having been killed in

the engagement.

Fort St. George, situated on the highest part of the island, was erected by the British, who retained possession of the island until 1815, when it was peaceably surrendered to the Americans, after the surrendered to the Americans, after the Treaty of Ghent was signed, the name of the fort being changed to Firt Holmes, in honor of the gallant Major Holmes, who was killed the previous year. Fort Holmes has since been abandoned and allowed to the contraction of the same property of allowed to go to ruin,

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This Co tion of I Lakes, is shout one It was by the Sai pany, und ers appoi State of 1

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twenty-fi-employed On the officers, a the surrounding , Michigan, and nerous and war-nt chiefs. Old Michilimack-

and of Mackinac lish as a military ent fortifications on the brow of town, now ren-hy place of resort during the sum-

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ary War, in 1793, were surrende ment by the Britr possession until on was surprised ish force of regu-o landed on the d, now called the 1814, an American ghan, of Sandneky recapture the fort, usman Farm, near ouse, and repuised Major Holmes, the ving been killed in

ted on the highest ated on the highest as erected by the possession of the next two persons, after the ligned, the name of d to Fort Holmes, at Major Holmes, evious year. Forten abandoned and

St. Mary's Falls Ship Canal.

This Canal, which connects the naviga-tion of Lake Superior with the Lower Lakes, is one mile in length, and cost

Lakes, 18 One many in the poars 1853, '54, '55, by the Saint Mary's Falls Ship Canal Company, under a contract with commissioners appointed by the authorities of the State of Michigan to secure the building of the canal, by agents appointed by the canal, by agents appointed by the governor of Michigan.

Of the canal, by agents appointed by the governor of Michigan.

Of the canal, by agents appointed by the governor of Michigan.

of the canal.

A grant of 750,000 acres of the public land had previously been made by Congress to the State of Michigan, to aid in the construction of this important work.

This grant of 750,000 acres was given to the parties contracting for the building of the canal, provided the work should be completed within two years from the date of the contract.

The work was commenced in the spring of 1853, and completed within the time

of 1853, and completed within the sine specified in the contract (two years t).

This result was accomplished under many disadvantages, during a very sickly season, and when great difficulty was experienced in obtaining laborers; but the unremitting vigor of those who had the charge of the work secured its completion in the most substantial, permanent, and acceptable manner.

During a great portion of the time there were from 1,200 to 1,600 men employed upon the work, exclusive of the force at the different quarries where the stone was cut and prepared for the locks, beside a slarge force employed in necessary agen-cities, getting timber, etc.

Anderden, Canada (near Malden), and at Anderden, Canada (near Malden), and at Marblebead, near Sandusky, in Ohio. These were sent in vessels to the work, some swenty-dwe different sailing vessels being employed in this business.

proposed in this business.

On the completion of the caual in June,
1855, the governor of the State, the State
officers, and the Canal Commissioners pro-

ceeded to Sant Ste. Marie for the purpose of inspecting the work. It was accepted, and thereupon, in accordance with the terms of the contract, the State authorities released to the Canal Company and issued patents for the 750,000 acres of land. This was all the remuneration the company received for the work

selected in the iron region of Lake Superior, 147,000 acres in the copper region, and the balance, 564,000 acres, in the Lower Peninsula.

The following figures will give some idea of the magnitude of this work:

Length of canal, 5,548 feet, — 1 mile

304 feet.

304 feet.
Width at top, 115 feet—at water-line,
100 feet—at bottom, 64 feet.
The depth of the canal is 12 feet.
A slope wall on the sides of the canal is
4,000 feet in length.

There are two locks, each 350 feet in

length. Width of locks, 70 feet at top-611 feet at bottom.

The walls are 25 feet high-10 feet thick at bottom.

Lift of upper lock, 8 feet—lower do., 10 feet; total lockage, 18 feet.
Lower wharf, 180 feet long; 20 feet wide.
Upper wharf, 830 feet long; from 16 to 30 feet wide.

There are 3 pairs of folding gates, each 40 feet wide.

Upper gate, 17 feet high—lower gate, 24 feet 6 inches high.

There are also upper and lower caisson gates, used for shutting off the water from

The amount of lumber, timber, and iron used in the building of the piers and gates

About 8,000 feet of oak timber, etc.
The tolls on the canal are collected by the State—are merely nominal—and only intended to defray the necessary expenses of repairs.

THE ST. MARY'S FALLS SHIP CANAL, Michigan, now forms a navigable communication between Lake Superior and Huron, passing through the St. Mary's River for a distance of about 60 miles.

OPENING AND CLOSING OF NAVIGATION, from 1855 to 1862, inclusive.

Date.	First Vessel.			Date		Last Vessel.	1.154 tons.
May 4, 1 May 9, April 18, May 8, May 11, May 8, April 27, April 28,	1856. Manhattan, 1807. North Star, 1, 1859. Iron City, 1859. I.ady Eigin, 1, 1860. Fountain City, 1861. Michigan, 1862. City of Cleveland, 1862. Mineral Rock.	320 300 300 388 820 642 788 556	 Nov. Nov. Nov. Nov. Nov. Nov.	98, 90, 98, 98, 98, 97,	1856 1857 1858 1859 1860 1861	Planet, Gen. Taylor, Mineral Rock, Lady Elgin, Forester, Montgomery, Gen. Taylor, Mineral Rock Meteor,	1,088 4 4 879 4

Average season of navigation, 64 months. Rate of Toll, 6 cents for every registered ton, for every description of vessel.

Saut Sic. Marie.—This old and much neglected town can boast of beautiful Rapids, the St. Mary's River here having a descent of twenty feet within one mile, a Ship Canal, with two locks, overcoming the fall in the river, some dillapidated wharves, and the grounds on which stand Fort Brady, with its wooden barracks and officers quarters, one well-kept hotel, of modest pretensions, where thousands have been entertained during the past twelve years since the completion of the canal. Yet it has not progressed for that period either in population or any kind of improvement; the streets, stores and dwelling-houses in many cases being neglected and suffered to go to decay. This apathy ought no longer to be suffered to exist, but capitalists should be induced to improve the water-power at this favored point, and build up a town like unto those which

STEAMBOA

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Ports, etc Cape Rich. Loneiy Islan Cape Smythe She-ba-wa-n Man-i-tou-w Little Ourre Clapperton Barrie Islan Cockburn I

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Toronto to Collingwood and Saut Ste. Marie.

TORONTO TO COLLINGWOOD (Rathroad Route), 94 miles. STEAMBOAT ROUTE, PASSING TUROUGH GEORGIAN BAY AND NORTH CHANNEL

Ports etc.	Miles.		Miles
Correspon	0	Drummond's Island, Mich	. 270
O-hotle Hond	80	St. JOSEPH ISISBUL	
Tomolo Taland	100	Campement D'Ours Lister to contract de la contraction de la contra	
Come Compthe	125	The Narrows	. 300
Cape Smythe.	145	Sugar Island, Mich	. 31
She-ba-wa-nan-ning	~)	Nehish Rapids	. 310
Wan-1-fon-Mail-ming (50 m	ш.,		. 320
Caret Manitonlin To	170	Church's Landing	. 32
Great Manitouni 1s.)	100	Gorden River Set	. 330
Capperton latand	920	SAUT STE MARIE Canada	. 34
Barrie Island	958	(Hudson Bay Company's Post.)	
STEAMBOAT FARE,	8.50.	USUAL TIME, 56 Hours.	
D.	_		ti
	Cape Rich Cabot's Head Louely Island Cape Smythe She-ba-va-nah-ning Man-i-tou-wah-ning (25 I Little Current, Great Manitoulin Is. Clapperton Island. Barrie Island. Cockburn Island.	COLLINGWOOD 0 Cape Rich 30 Cabot's Head 50 Louely Island 100 Cape Smythe 125 She-ba-va-nah-ning 125 Mani-itou-wah-ning (25 m.) Little Current, 7 Great Manitoulin Is. 170 Clapperton Island 120 Barrie Island 220	Drummond's Island, Mich. Drummond's Island, Mich. Druce Mines, Can.

Colling wood, 94 miles north from Owen's Sound, 50 miles distant; and Toronto, is most advantageously situated near the head of Nottawassaga Bay, an indentation of Georgian Bay. The town, although commenced in 1854, at the time of the owendation of the Owen's Sound, 50 miles distant; and weekly to Bruce Mines, the Superior, affording a delightful steamboat excursion.

Immense quantities of she are taken in near the head of Nottawassaga Bay, an indentation of Georgian Bay. The town, although commenced in 1854, at the time of the completion of the Ontario, Simcoc, and Huron Railroad, now contains (1861) about 2,000 inhabitants, and is rapidly in creasing. The surprising growth is mainly owing to its being the northern terminates of the railway which connects the Georgian Bay with Lake Ontario at Toronto. Great numbers of travellers and venigrants are at this point transferred to research sort propellers, bound for Mackinac, Green Bay, Chicago, and the Great West, as well as to the Saut Ste. Marie and Lake Superior, Here are a long pier, 800 feet if a length; a breakwater, and light-house; four hotels, and two or three churches in the waters of Nottawassaga Bay, being rice particular the waters of Nottawassaga Bay, being make a town the nonteer terminal particular than the waters of Nottawassaga Bay, being rice particular the waters of Nottawassaga Bay, being make a particular than the waters of Nottawassaga Bay, being make a particular than the waters of Nottawassaga Bay, being make a particular than the waters of Nottawassaga Bay, being method to the value and extent of the sent fish of fine quality, affording profitable employment to the fishing operations promiscuously pursued in Nottawassaga Bay may be formed from the knowledge that the average daily take exceeds one thousand fish, weighing from forty pounds down to one pound not fall short of £40,000. At the mouth of the Nottawassaga River the white fish are netted in perfect shoals throughout the spawning season. Most of the larger kind of trout spawn about the islands upon beds of calcareous rock, over which a shifting drift of sand of the larger kind of trout spawn about the islands upon beds of calcareous rock, over which a shifting drift of sand or the provided particular than the water of Nottaw

where the water is shallow; and from than elsewhere. Thither the fishormen being exposed to the sun, the temperature resort, and net the fish, vapid and placid of the lake is warmer at these localities as they are, in fabulous amounts."

GEORGIAN BAY.

The deeply romantic character of this pure and levely body of water is almost unknown to the American public—lying as it does to the northeast of Lake Huron, being entirely within the confines of Canada. The northeast shore is the most romantia and highly interesting from the Canada.

Canada. The northeast shore is the most romantic and highly interesting, from the fact of there being innumerable islands and islets along the coast, greatly exceeding in number the "Thousand Islands" of the St. Lawrence.

From Penetanguishene, northeast to She-ba-wa-nah-ning, where commences the picturesque body of water known as the North Channel, there is one continued suc-

ROUTE FROM COLLINGWOOD, C. W., TO THE SAUT STE. MARIE.

THEOUGH GEORGIAN BAY AND NORTH CHANNEL.

This is a new and highly interesting steamboat excursion, brought into netice by the completion of the Ontario, Simco, and Huros Railroan, extending from Toronto to Collingwood, at the southern extremity of Georgian Bay.

NOTTAWASSAGA BAY, the southern termination of Georgian Bay, is a large expanse of water bounded by Cape Rich on the west, and Christian Island on the east, each being distant about 30 miles from Collingwood. At the south end of the bay ites a small group of islands called the Hen and Chickens.

Christian Island, on the dest, each being distant about 30 miles from Collingwood by steamboat route, situated on a lovely and secure bay, is an and Chrickens.

Christian Island, by the Jesuite. There are several others passed north of Christian Island, of great beauty, while still farther northwest are encountered innumorable islands and islets, forming labyrinths, and secluded passages and coves as yet almost unknown to the white man, extending weatward for upward of one hundred miles.

PENETANGUISHERE, C. W., 50 miles north of Collingwood by steamboat route, aituated on a lovely and secure bay, is an old and very important settlement, company to the control of the bay lies.

and Chickens.

Old and very important settlement, comprising an Episcopal and Roman Catholic
from Penetanguishene, and 25 miles northichurch, two hotels, a custom-house, severa

stores and a naval a establishe The natu bor, con of rare b Canadian Englishma communit to the ni Bay, is no mun, as w of pleasur On leav

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y as large as Lake Channel, connect-on the west, may as Long Island ge number of lovee south lies the Great Manitoulin, rises La Cloche forming the most

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a large and fertile ly settled by the eral others passed d, of great beauty, iwest are encoun-da and islets, formuded passages and nown to the white ard for upward of

C. W., 50 miles y steamboat route, secure bay, is an t settlement, comtom-house, severa stores and storehouses, and has about 500 inhabitants. In the immediate vicinity are a naval and military depot and barracks, established by the British government. The natural beauties of the bay and harbor, combined with the picturesque scenery of the shores, make up a picture of rare beauty. Here may be seen the native Indian, the half-breed, and the native Indian, the half-breed, and the native Indian of Scotchman, forming one community. This place, being near the mouth of the River Severn, and contiguous to the numberless islands of Georgian Bay, it is no doubt destined to become a favorite resort for the angler and sportsmun, as well as for the invalid and seeker of pleasure.

On leaving Collingwood for Bruce Mines and the Saut Ste. Marie, the ateamer usually runs direct across Georgian Bay to Lonely Island, passing Cabot's Head to the right, and the passage leading into the broad waters of Lake Huron, which is the route pursued by the ateamers in the voyage to Mackinae. Green Bay and potatoes in large quantities. This potatoes in large quantities. This past of the island is very fertile, and the voyage to Mackinae. Green Bay and potatoes in large quantities. This past of the island is very fertile, and the

the broad waters of Lake Huron, which is the route pursued by the atsamers in the voyage to Mackinac, Green Bay, and Chicago. During the summer months the trip from Collingwood to Mackinac and Chicago affords a delightful excursion.

OWEN'S SOUND, or SYDENHAM, 50 miles west of Collingwood, although off the direct route to the Saut Ste. Marie, is well oworthy of a passing notice. Here is a chriving settlement, surrounded by a ffertile section of country, and containing about 2,500 inhabitants. A steamer runa daily from Collingwood to this place, which will, no doubt, soon be reached by a silroad.

view, enjoyed from the deck of the passing steamer.

SMYTH'S BAY is passed on the west, some eight or ten miles distant. At the head of this bay, on the great Manitoulin Island, are situated a village of Indiane, and a Jesuit's mission, called We-qua-me-kong. These aborigines are noted for their industry, raising wheat, corn, cats, and potatoes in large quantities. This part of the island is very fertile, and the climate is healthy.

is the route pursued by the ateamers in the voyage to Mackinac, Green Bay, and Chicago. During the summer months the trip from Collingwood to Mackinac and Chicago affords a delightful excursion.

Own's Sound, or Synenham, 50 miles west of Collingwood, although off the direct route to the Saut Ste. Marie, is well owothy of a passing notice. Here is a chriving settlement, surrounded by a fertile section of country, and containing about 2,500 inhabitants. A steamer runs daily from Collingwood to this place, which will, no doubt, soon be reached by miles west of Collingwood to this place, which will, no doubt, soon be reached by miles west of Collingwood and 20 miles east of the Great Manitoulin Islands, is alarge body of land mostly covered with a dense forest, and uninhabited, except by a few fishermen, who resort here at certain soasons of the year for the purpose of takking fish of different kinds. The steamer's bell ring, than this animal runshes to the wharf, sometimes assisting to secure the rope that is thrown ashore;

the next move he makes is to board the vessel, as though he were a custom-house officer; but on one occasion, in his eagerness to get into the kitchen, he fell overboard; nothing daunted, he swam to the ahore, and then again boarding the vessel, setomach, showing the instinct which prompts many a biped office-seeker.

On leaving She-ba-wa-nah-ning and proceeding westward, a most beautiful bay is passed, studded with islanda; and mountains upwards of 1,000 feet in height, presenting a rocky and sterile appearance, being attached to the State of Michigan.

senting a rocky and sterile appearance senting a rocky and sterile appearance, form an appropriate background to the view; thence are passed Badgley and Heywood Islands, the latter lying off Heywood Sound, situated on the north side of the Great Manitoulin.

MAN-1-TOU-WAN-NING, 25 miles northwest of She-ba-wan-sh-ning, is handsomely situated at the head of Heywood Sound. It is an Indian settlement, and also a government agency being the blace

also a government agency, being the place annually selected to distribute the Indian

annuities LITTLE CURRENT, 25 miles west of Sheba-wa-nah-ning, is another interesting landing on the north shore of the Great Manitoulin, opposite La Cloche Island. Here the main channel is narrow, with a current usually running at the rate of five or six knots an hour, being much affected by the winds. The steamer stops at this by the winds. The steamer stops at this landing for an hour or upward, receiving a supply of wood, it being furnished by an intelligent Indian or half-breed, who resides at this place with his family. Indiana are often seen here in considerable numbers. They are reported to be indo-lent and harmless, too often neglecting the cultivation of the soil for the more

ed, except by Indians.

DRUMMOND ISLAND, 15 miles farther westward, belongs to the United States, being attached to the State of Michigan.

being attached to the State of Miohigon. This is snother large body of land, being low, and as yet mostly uninhabited.

The next Island approached before landing at Bruce Mines is Sr. JOSEPH ISLAND, being a large and fertile body of land, with some few settlers.

BRUCE MINES VILLAGE, O. W., is situated on the north shore of Lake Huron, or the "North Channel," as it is here called, distant 290 miles from Collingwood, and 50 from the Saut Ste. Marie. Here are a Methodist chanel, a public-house. and 50 from the Saut Ste. Marie. Here are a Methodist chapel, a public-house, and a store and storehouse belonging to the Montreal Copper Mining Company, besides extensive buildings used for crushing ore and preparing it for the market, about 75 dwelliegs and 600 inhabitants. The copper ore, after being crushed by powerful machinery propelled by steam, is put into pudding troughs and weaked by water, so as to obtain about 20 per cent. pure copper. In this state it is shipped to the United States and England, bringing about \$80 per ton. It then has bringing about \$80 per ton. It then has to go through an extensive smelting process, in order to obtain the pure metal. The mines are situated in the immediate lent and harmless, too often neglecting the cultivation of the soil for the more uncertain pursuits of fishing and hunting, although a considerably large clearing is to be seen indifferently cultivated.

CLAPPERTON ISLAND and other islands of less magnitude are passed in the North Channel, which is a large body of water gives employment to about 300 workmes.

ing Comp by an En the present the Bruce The La following from which fering from "Ten ye and large which pro der new yield profit opened, on down som men are en mines. So ful to the ey being take taken upon house, who

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Sr. JOSEPH ISfertile body of ers. c, C. W., is situ-of Lake Huron, " as it is here

om Collingwood, te. Marie. a public-house, ining Company, for the market; eing crushed by pelled by ateam, in about 20 per

tes and England, on. It then has ve smelting prothe pure metal. there being ten which the ore is Horse-power ite the ore; the and, attached to kets. This mine This mine

ut 300 workmen.

"Ten years ago this mine was opened, and large sums expended for machinery, which proved useless, but it is now under new management, and promises to yield profitably. Twelve shafts have been opened, one of which has been carried down some 330 feet. Some 200 or 300 men are employed, ell from the European mines. Some of the ores are very beautiful to the eye, resembling fine gold. After being taken out of the shaft, they are taken upon a rail-track to the crushinghouse, where they are passed between large iron rollers, and sifted till only a fine powder remains; from thence to the 'jigger-works,' where they are shaken in water till much of the earthy matter is washed away, after which it is piled in

The capital stock of the company amounts to \$600,000.

The Wellington Mine, about one mile distant, is also owned by the Montreal Mining Company, but is leased and worked by an English company. This mine, at the present time, is more productive than the Bruce Mines.

The Lake Superior Journal gives the following description of the Bruce Mine, from which is produced a copper ore differing from that which is yielded by other mains of that,peninsula. of the Islands in this group are found cop-por ore, and beautiful specimens of moss. The forest-trees, however, are of a dwarf-ish growth, owing, no doubt, to the scant-iness of soil on these rocky islands. About 10 miles west of the "Narrows,"

the main channel of the St. Mary's River is reached, forming the boundary be-tween the United States and Canada. A rocky island lies on the Canadian side, which is reserved for government purposes, as it commands the main or ship channel.

SUGAR ISLAND is now reached, which belongs to the United States, and the steamers run a further distance of 25 jigger-works, where they are sheken in water till much of the earthy matter is miles, when the landing at the Saut Ste. Market till much of the earthy matter is reached, there being settlements on washed away, after which it is piled in both sides of the river. The British beats the yard ready for shipment, having more the appearance of mud than of copper. It is now mostly shipped to Swansea, in Wales, for smelting. Two years since, the ship canal.

GRAND PLEASURE EXCURSION

FROM CLEVELAND AND DETROIT TO THE HEAD OF LAKE SUPERIOR.

The commodious Lake Superior Line of Steamers will run as advertised during mense mineral deposits are attracting the tho year 1863. They are officered by men of long experience on the ronte, who will devote themselves to the comfort and safety of passengers.

No one should fall to visit this new, lead, and that magnificent and singular

formation the PICTURED ROCKS, form a series of irresistible attractions to the spectator and geologist. The cool and bracing atmosphere suggests recovery of perfect health to the invalid, and the sportsman, with his rod and line, will find abundant recreation in angling for the beautiful speckled trout in the finest fishing streams in the world.

This trip of over 1,000 miles embraces six degrees of latitude and eleven of longitude, and includes in its circuit Lakes Eric, St. Clair, Huron, and Superior, and the beautiful Rivers Detroit, St. Clair, and Ste. Marie. During the months of July and August, Grann PLEASURE EXCUESIONS will be made sround Lake Superior, visiting Isle Royale and the north shore.

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Table of Sailing Distances from Cleveland to Superior City.

PORTS, etc.	Miles.	Ports, etc.	Miles.
Cleveland, Ohio	0	Superior City, Wis	. 0
DETROIT, Mich		BATFIELD	80
PORT HURON		LA POINTE	385
FORT GRATIOT (foot Lake Hu-		ONTONAGON, Mich	77160
ron)	2-180	EAGLE RIVER	56-216
DE Tour (St. Mary's River)	225-405	EAGLE HARBOR	9-225
SAUT STR. MARIN		COPPER HARBOR	16-241
GRAND ISLAND	125585	PORTAGE LAKE	70-311
Mary zette	45-630	Marquette	80-391
PORTAGE LAKE		GRAND ISLAND	45-436
COPPER HARBOR	70-780	SAUT STE. MARIE	125-561
EAGLE HARBOR		DE Tour (Lake Huron)	55-616
EAGLE RIVER		FORT GRATIOT (St. Clair Riv-	
ONTONAGON			225-841
LA POINTE, Wis		PORT HURON	
BATFIELD		DETROIT, Mich	
Superior City		Cleveland, Ohio	

TRIP AROUND LAKE SUPERIOR.

On leaving the Ship Canal, at the Saut, the steamer ascenda a beautiful stretch of the St. Mary's River for 10 miles before reaching Waiska Bay, being an expansion of the river of about 5 miles. Here the shores assume a bold appearance well worthy the attention of the traveler before launching out on the waters of the broad lake.

Induction Towns American side, and Gros Cap, on the Canadian side, are

000 miles embraces s in its circuit Lakes , and Superior, and etroit. St. Clair, and he months of July PLEASURE EXCURound Lake Superior, nd the north shore.

Superior City.

Wis.... 80 8—95 77—160 56—216 28. 56—216 9—225 16—241 70—311 80—391 45—430 125—561 On)....55—616

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OR.

a from the Saut Ste. s a bold promontory, t above the water. Y is next entered, deur is presented to uthwest or American

to a moderate height, est or Canada shore untain height, being to 1,000 feet, running toward the north.

its outlet and the St. Lawrence River, is
460 miles long from east to west, and 170
miles broad in its widest part, with an
average breadth of 85 miles. It is 800
feet in greatest depth, extending 200 feet
below the level of the cocan; estimated
area, 32,000 square miles. Near two
hundred rivers and creeks are said to
flow into the lake, the greater part being
small streams, and but few navigable, except by canoes, owing to their numerous cept by canoes, owing to their numerous falls and rapids. It contains several islands, the most important of which are like Royale, and The Tuelve Apostles, near its western extremity, and Grand Island, all attached to the United States; Caribou Island, Michipicoten, St. Ignace, Pie, Siate, and other islands attached to Canada.

KEWEENAW POINT is its most remarkable feature, jutting far out into the lake some sixty or seventy miles. On the range of hills running through this point, about 20 miles wide, are found the most valuable copper mines in the world. Its good and secure harbors are but few on the south side of the lake, while on the north shore and islands are several perfectly safe harbors, and easy of access. It discharges its surplus waters by the Strait, or Rivor St. Mary, 60 miles long, into Lake Huron, which lies 27 feet below, meet of the descent being at the Saut Ste

Parister and other islands, attached to Canada, are passed on the right, the bay being about 25 miles long and as many broad; in fact, forming a part of Lake Superior, whose pure waters are in full view as far as the eye can reach.

Lake Superior, by far the largest of the Inland Seas of North America, lying between 46° 30' and 49° north latitude, and between 84° 30' and 92° 30' west longitude, situated at a height of the Inland Seas of the Inland Seas of the Inland Seas of North America, lying between 46° 30' and 49° north latitude, and between 84° 30' and 92° 30' west longitude, situated at a height of to mar the middle of the lake, is the arrow."

This graphic description is illustrated by a map, prepared by them, which dis-

"The coast of Lake Superior is mostly formed of rocks of various kinds, and of different geological groups. With the ex-ception of sandy bars at the mouth of some of the rivers and small streams, the whole coast of the lake is rock-bound; and in some places, but more particularly on the north shore, mountain masses of cousiderable elevation rear themselves consideration elevation rear timeserves from the water's edge, while mural preci-pices and beetling crage oppose themselves to the surges of this mighty lake, and threaten the unfortunate mariner, who may be caught in a storm upon a lee-shore, with almo.; inevitable destruction."

"Father of Lakes! thy waters bend Beyond the eagle's utmost view, When, throned in heaven, he sees thee send Back to the sky its world of blue,

"Boundless and deep, the forests weave Their twilight shade thy borders o'er, And threstening cliffs, like giants, heave Their rugged forms along thy shore."

charges its surplus waters by the Strait, or River St. Mary, 60 miles long, into Lake Huron, which lies 27 feet below, most of the descent being at the Saut Sto.

Marie, where is a Ship Canal three-fourths Harbor; Portage Entry; Manitou Island, of a mile in length, with two locks of 10

Eagle Harbor; Eagle River; Ontonagon, at mouth Ontonagon River; La Pointe, on Madeline Island; and Minnesota Point, mouth of St. Louis River.

Mouth of St. Louis River.

A government survey of the Upper Lakes, including the St. Mary's River and Straits of Mackinao, is being made by a corps of Topographical Surveyors, which when published will furnish accurate character than a strain of the St. Mary Cons. rate charts of these Inland Seas.

WHITE FISH POINT, and LIGHT-HOUSE, 40 miles from the Saut, lies on the southwest or American shore, forming a con-spicuous landmark, while Mamains Point is seen on the northeast or Canada shore.

On passing White Fish Point, where may be seen a number of "sand-dunes," or hills, and a light-house 75 feet in height, the broad waters of Lake Superior are reached. The steamers usually pursue a westerly course toward Grand Island or Marquette, passing Point au Sable, 80 miles farther. During clear weather, the steep sandy hills on the south shore, ranging from 300 to 500 feet in height, may be seen from the deck of the steamer.

deck of the steamer.

Point au Sable, 50 miles from White Fish Point, is the first object of interest seen on the south shore, on the upward trip, from the deck of the passing steamer, which usually runs within sight of land, affording views of a continued succession of interesting points and bold headlands.

of interesting points and bold headlands.

The Pictured Rocks are thus briefly described by Foster and Whitney, in their or about 110 miles from the Saut, are next passed, presenting a magnificent appearance at certain times of the day, when favore'bly seen under the rays of a brilliant sun; then the effect is heightened by the constantly changing appearance of these almost enchanted rocks. The steamers occasionally run close in shore, when the weather is favorable, after the same and the state of the same and the same The steamers occasionally run close in shore, when the weather is favorable, affording a fine opportunity to examine these wonders of nature.

Trip to Lake Superior.

Extract from a Letter, dated "St. Illinois, off Pictured Rocks, L. S., "July, 31, 1862.

"At sunrise this morning, we approached the far-famed Pictured Rocks proached the far-famed Pictured Rocks of Lake Superior, and were favored with one of the most grand scenes imaginable. The sun rose clear, reflecting its rays in the waters of the lake, presenting a gorgeous appearance. The Sail Rock, and other points of interest, were distinctly visible, while the steamer was running for the 'Grand Portail' of the voyageurs, the most remarkable feature of this wonthe most remarkable feature of this der of nature, varying with every cloud effect as seen from the passing vessel. "The steamer approached cautiously un-

til she had run her bows under the project-ing cliff, then came to a stand-still as quietly as though she was lying at a pier or wharf, giving the numerous passengers a fine opportunity to examine the deep re-cesses of this immense cavern, the floor being covered with clear, transparent water to the depth of 10 or 20 feet. In-side were visible two lesser openings, where a small boat might pass out into the lake on either side—the portail being formed at the termination of a projecting cliff-rising about 200 feet above the lake surface.

"The Pictured Rocks are thus briefly

e Superior.

Letter, dated ured Rocks, L. S., "July, 31, 1862.

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ours, &c., J. D."



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of cliffs to which the name or the riccur-ed Rocks has been given, may be regard-ed as among the most striking and beau-tiful features of the scenery of the North-west, and are well worthy the attention of the artist, the lover of the grand and beautiful, and the observer of geological

phenomena.

"Although occasionally visited by travellers, a full and accurate description of ellers, a full and accurate description of

ellers, a full and accurate description of this extraordinary locality has not as yet been communicated to the public.*

"The Pictured Rocks may be described, in general terms, as a series of sandstone bluffs extending along the shore of Lake Superior for about five miles, and rising, in most places, vertically from the water, without any beach at the base, to a height varying from fifty to nearly two hundred

Schoolcraft has undortaken to describe this range of cliffs, and illustrate the scenery. The sketches do not appear to have been made on the spot, or finished by one who was acquainted with the scenery, as they been no resemblance, so far as we observed, to any of the provincent features of the Pictured Rocka.

"It ha a matter of surprise that, so far as we know, nane of our artists have visited this region, and given to the world representations of scenery so striking, and so different from any which can be found claswhere. We can hardly conceive of any thing more worthy of the sribt's penol; and if the tide of piessure-travel should once be turned in this direction, it seems not unreasonable to suppose that a fashlonable hotted may yet be built under the shade of the pine groves near the Chapel, and a trip thither become as common as one to Niagara now is."

The Pictured Rocks, of which almost fable loss accounts are given by travellers, are one of the wonders of this "Inland Sea." Here are to be seen the Cacacae Falls and other objects of great interest. The Amphitheatre, Miners' Castle, Chapel, Grand Portal, and Sail Rock, are points of great picturesque beauty, which require to be seen to be justly appreciated.

Extract from FOSTER and WHITER'S Report of the Geology of the Lake Superior Land District:

Pictured Rocks.—"The range of cliffs to which the name of the Pictured Rocks has been given, may be regarded as among the most striking and beautiful features of the scenery of the Northwest, and are well worthy the attention Pictured Rocks there are two features which communicate to the scenery a wonderful and almost unique character. These are, first, the curious manner in which the cliffs have been excavated and worn away by the action of the lake, which for centuries has dashed an ocean-like surfagainst their base; and, second, the equally curious manner in which large portions of the surface have been colored by bands of heillient has

of the surface have been colored by bands of brilliant hues.
"It is from the latter circumstance that the name by which these cliffs are known to the American traveller is derived; while that applied to them by the French coyageurs ('Les Portalis's) is derived from the former, and by far the most striking periods. culiarity.
"The term Pictured Rocks has been in

use for a great length of time, but when it was first applied we have been unable to discover.

"The Indian name applied to these cliffs, according to our voyageurs, is Schkuee-archibi-kung, or 'The end of the rocks,'

• Le Portail is a French term, signifying the principal entrance of a chirch or a portal, and this name was given to the Pfetured Rocks by the coyagesers, evidently in aliaston to the arched entrances which constitute the most characteristic feature. Le Grand Portal.

which seems to refer to the fact that, in [Here the coast makes an abrupt turn to descending the lake, after having passed them, no more rocks are seen along the shore. Our voyageurs had many legends to relate of the pranks of the Menni-boujou in these caverns, and in answer to our inquiries seemed disposed to fabricate sto-ries without end of the achievements of

this Indian deity.
"We will describe the most interesting points in the series, proceeding from west to east. On leaving Grand Island harbor,* high cliffs are seen to the east, which form the commencement of the series of rocky promontories, which rise vertically from the water to the height of from one hun-dred to one hundred and twenty-five feet, dred to one hundred and twenty-live leet, covered with a dense canopy of foliage. Occasionally a small cascade may be seen falling from the verge to the base in an unbroken curve, or gliding down the inclined face of the cliff in a sheet of white foam. The rocks at this point begin to assume fantastic shapes; but it is not until having reached Miners! River that til having reached Miners' River that their striking peculiarities are observed.

enters the lake close under the brow of the cliff, which here sinks down and gives a bould take advantage of one of the steamers or propellers which navigate the lake and land at Grand Island, from which he can proceed to make the tour of the interesting points in a small brat. The large vessels on the lake do not approach seminently near the cliffs to allow the traveller to gather more than a general idea of their position and outlines. To be able to appreciate and understand their extraordinary character, it is indispensable to coast alorg in close providers and understand their extraordinary character, it is indispensable to coast alorg in close providers and understand their extraordinary character, it is indispensable to coast alorg in close providers to the cliffs and pass benesth the Grand to land and enter within the precinct of the Chapel. At Grand Island, botts, mean small lay in a good to provide a state of the cliffs and in the cliffs and pass benesth to make the contract of the cliffs and the cliff

the eastward, and just at the point where the rocks break off and the friendly sandbeach begins, is seen one of the grandest works of nature in her rock-built archi-tecture. We gave it the name of Miners' Castle, from its singular resemblance to Castle,' from its singular resemblance to the turreted entrance and arched portal of some old castle—for instance, that of Dumbarton. The height of the advancing mass, in which the form of the Gothic gateway may be recognized, is about seventy feet, while that of the main wall forming the background is about one hundred and forty. The appearance of the openings at the base changes rapidly with each change in the position of the spectator. On taking a position a little fartator. On taking a position a little far-ther to the right of that occupied by the sketcher, the central opening appears more distinctly flanked on either side by two lateral passages, making the resem-blance to an artificial work still more

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blance to an artificial work still under striking.

"A little farther east, Miners' River enters the lake close under the brow of the cliff, which here sinks down and gives place to a sand-bank nearly a third of a mile in extent. The river is so narrow

an abrupt turn to at the point where I the friendly sandne of the grandest er rock-built archile name of Miners' and arched portal r instance, that of ght of the advancform of the Gothle nized, is about sevd is about one hunappearance of the hanges rapidly with sition of the specat occupied by the opening appears making the resem-

east, Miners' River under the brow of nks down and gives nearly a third of a river is so narrow the skill on the part ter its mouth when in from the north. in from the north, as andy drift plain, and Banksian pine, good camping-ground fuge to the voyages ele River, five miles a small sand-beach the two points, cessity, a boat may

d-beach at Miners an altitude of one ty-three feet, and form height for a con-Here one of those have before spoken the rock.

""The cliffs do not form straight lines, but rather arcs of circles, the space between the projecting points having been worn out in symmetrical curves, some of which are of large dimensions. To one of the grandest and most regularly forms we gave the name of "The Amphitheatre." Looking to the west, another projecting point—its base worn into cavelike forms—and a portion of the concave aurage of the intervening space are seen. but rather arcs of circles, the space between the projecting points having been worn out in symmetrical curves, some of which are of large dimensions. To one of the grandest and most regularly formed we gave the name of 'The Amphitheatre.' Looking to the west, another ed we gave the name of 'The Amphi-theatre.' Looking to the west, another projecting point—its base worn into cave-like forms—and a portion of the concave surface of the intervening space are seen. "It is in this portion of the series that the phenomena of colors are most beauti-sult and commissionally displayed. These

the phenomena of colors are most beauti-fully and conspicuously displayed. These cannot be illustrated by a mere crayon sketch, but would require, to reproduce the natural effect, an elaborate drawing on a large scale, in which the various combinations of color should be carefully represented. These colors do not by any means cover the whole surface of the cliff even where they are most consciously. even where they are most conspicuously displayed, but are confined to certain portions of the cliffs in the vicinity of the portions or the cums in the victinity of the Amphitheatre; the great mass of the surface presenting the natural light-yellow or raw senna color of the rock. The colors are also limited in their vertical range, rarely extending more than thirty or forty

ors are anothing in the revicus range, rarely extending more than thirty or forty feet above the water, or a quarter or a third of the vertical height of the cliff. The prevailing tints consist of deep-brown, yellow, and gray—burnt siemnn and French gray predominating.

"There are also bright blues and greens, though less frequent. All of the tints are fresh, brilliant, and distinct, and harmonize admirably with one another, which, taken in connection with the grandeur of the arched and caverned surfaces on which they are laid, and the deep and pure green of the water which heaves and swells at the base, and the rich foliage which waves above, produce an effect truly wonderful.

the porous strats it comes in contact with these shally bands, and, cozing out from the exposed edges, trickles down the face of the cliffs, and leaves behind a sediment, colored according to the oxide which is contained in the band in which it origi-

contained in the band in which it origi-nated. It cannot, however, be denied that there are some peculiarities which it is difficult to explain by any hypothesis. "On first examining the Pictured Rocks, we were forcibly struck with the brilliancy and beauty of the colors, and wondered why some of our predecessors, in their descriptions, had hardly adverted to what we regarded as their most characteristic feature. At a subsequent visit we were surprised to find that the effect of the colors was much less striking than besurprised to find that the effect of the colors was much less striking than before; they seemed faded out leaving only traces of their former brilliancy, so that the traveller might regard this as an unimportant feature in the scenery. It is difficult to account for this change, but it may be due to the dryness or humidity of the season. If the colors are produced by the percolation of the water through the strata, taking up and depositing the colored sediments, as before suggested, it is evident that a long period of drought would cut off the supply of moisture, and the colors, being no longer renewed, would fade, and finally disappear. This explanation seems reasonable, for at the time of our second visit the beds of the streams on the summit of the table-land were dry.

"They are not scattered indiscriminately over the surface of the rock, but are arranged in vertical and parallel bends, it is a curious fact, that the colors are so firmly attached to the surface that they are very little affected by rains or

the dashing of the surf, since they were, in numerous instances, observed extending in all their freshness to the very water's edge.
"Proceeding to the eastward of the

Amphithestre, we find the cliffs scooped out into caverns and grotesque openings, of the most striking and beautiful variety of forms. In some places huge blocks of sandstone have become dislodged and accumulated at the base of the cliff, where they are ground up and the fragments borne away by the ceaseless action of the

borne away by the ceaseless action of the surge.

"To a striking group of detached blocks the name of 'Sail Rock' has been given, from its striking resemblance to the jih and mainsail of a sloop when spread—so much so that when viewed from a distance, with a full glare of light upon it, while the cliff in the rear is left in the shade, the illusion is perfect. The height of the block is about forty feet.

"Masses of rock are frequently dis-

"Masses of rock are frequently dis-lodged from the cliff, if we may judge from the freshness of the fracture and from the freamess of the fracture and the appearance of the trees involved in the descent. The rapidity with which this undermining process is carried on, at many points, will be readily appreciated when we consider that the cliffs do ted when we consuer that the distance of the proof form a single unbroken line of wall; but, on the contrary, they present numerous salient angles to the full force of the waves. A projecting corner is undermined until the superincumbent weight becomes too great, the overhanging mass cracks, and, aided perhaps by the power of frost, gradually becomes loosened and finally topples with a crash into the lake.

"The same general arched and broken line of cliffs borders the coast for a mile to the esseward of Sail Rock, where the most imposing feature in the series is reached. This is the Grand Portal—Le Grand Portal of the voyageurs. The general disposition of the arched openings which traverse this great quadrilateral not form a single unbroken line of wall;

mass may, perhapa, be made intelligibles without the aid of a ground-plan. The main body of the structure consists of an east mass of a rectilinear shape, project-ting out into the lake about six hundred feet, and presenting a front of three hun-dred or four hundred feet, and rising to a height of about two hundred feet. And entrance has been excavated from one entrance has been excavated from oneside to the other, opening out into large!
vaulted passages which communicate with
the great dome, some three hundred feetfrom the front of the cliff. The GrandPortal, which opens out on the lake, isi
of magnificent dimensions, being about
one hundred feet in height, and one hundred and sixty-eight feet broad at the
water-level. The distance from the vergeof the cliff over the arch to the water is
to hundred and thirty-three feet leaving. one hundred and thirty-three feet, leaving thirty-three feet for the thickness of the thirty-three feet for the incances of the rock above the arch itself. The extreme height of the cliff is about fifty feet more, making in all one hundred and eighty-three feet.

"It is impossible, by any arrangement."

"It is impossible, by any arrangement of words, or by any combination of colors, to convey an adequate idea of this wonderful scene. The vast dimensions of the cavern, the vaulted passages, the varied effects of the light, as it streams through the great arch and falls on the different objects, the deep emerald green of the water, the unvarying swell of the lake, keeping up a succession of musical echoes, the reverberations of one's own voice coming back with startling affect, to be fully apprecisted.

"Beyond the Grand Portal the olifful gradually diminish in height, and the gens

resyona the Grand Forth the climater gradually diminish in height, and the geni-eral trend of the coast is more to their southeast; hence the rock, being less are posed to the force of the waves, bears fewer marks of their destructive action. The entrance to Chapel River is at the most easterly extremity of a sandy beach which extends for a quarter of a

ing an campi and co pitch i intere occur Portal " "TI geurs-most here d before ter's e at a h the lai ed aps coived roof or in thic

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made intelligible ture consists of a ar shape, project-bout six hundred front of three huneet, and rising to hundred feet. An cavated from one ing out into large communicate with hree hundred foet cliff. The Grand ions, being about ight, and one hun-feet broad at the three feet, leaving the thickness of the

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self. The extreme

ndred and eighty-

d Portal the oliffs height, and the gen-ast is more to the: rock, being less ex-f the waves, bears destructive action. el River is at the nity of a sandy for a quarter of a

about thirty feet above the lake-level, being an open pine plain, affords excellent camping-ground, and is the most central and convenient spot for the traveller to pitch his tent, while he examines the most interesting localities in the series which occur in this vicinity—to wit, the Grand Portal and the Chapel. (See Engraving.)

"The Chapel—La Chapelle of the veyageur—if not the grandest, is among the most grotesque of Nature's architecture here displayed. Unite the averaging.

ed apartment, which has not inaptly re-ceived the name it bears. An arched roof of sandstone, from ten to twenty feet

mile, and affords a convenient landing | hardly possible to describe the singular place, while the drift-terrace, elevated and unique effect of this extraordinary about thirty feet above the lake-level, be- structure; it is truly a temple of nature—

hardly possible to describe the singular and unique effect of this extraordinary structure; it is truly a temple of nature—
'a house not made with hands.'
"On the west side, and in close proximity, Chapel River onters the lake, precipitating itself over a rocky ledge ten or fifteen feet in height."
"It is surprising to see how little the action of the stream has worn away the rocks which form its bed. There appears to have been hardly any recession of the cascade, and the rocky bed has been excavated only a foot or two since the stream assumed its present direction. most grotesque of Naturea architocure here displayed. Unlike the excavations before described, which occur at the wa-ter's edge, this has been made in the rock, at a height of thirty or forty, feet above the lake. The interior consists of a vault-

assumed its present direction.

"It seems therefore impossible that the river could have had any influence in excavating the Chapel itself, but its excavation must be referred to a period when the waters of the lake stood at a higher

level

in thickness, rests on four gigantic col-umns of rock, so as to leave a vaulted apartment of irregular shape, about forty feet in diameter, and about the same in "Near the Grand Portal the cliffe are "Near the Grand Portal the cliffe are covered, in places, with an efflorescence of sulphate of lime, in delicate crystalli-zations; this substance not only incrusts the walls, but is found deposited on the moss which lines thom, forming singular and interesting specimens, which how-ever cannot be transported without losing that heavy feet in diameter, and about the same in height. The columns consist of finely stratified rock, and have been worn into curious shapes. At the base of one of them an arched cavity or niche has been cut, to which access is had by a flight of steps formed by the projecting strata. The disposition of the whole is such as to recently a rary much the unjust of a

ever cannot be transported without losing their beauty.

"At the same place we found numerous traces of organic life in the form of obscure fucoidal markings, which seem to be the impressions of plants, rimilar to those described by Prof. Hall as occurring in the Potsdam sandstone of New York. These were first noticed at this place by Dr. Locke, in 1847." The disposition of the whole is such as to resemble very much the pulpit of a church; since there is overhead an archea sanopy, and in front an opening out to be the impressions of plants, rimilar to those described by Prof. Hall as occurring in the Potsdam sandstone of New York. These were first noticed at this place by Dr. Locke, in 1847."

and this fall, according to immenserial page among the coyagesrs in assending the lake, the mangeure de tard, who make their first trip, refor a place of worship, and fashioned by the hand of man, it could hardly have been arranged more appropriately. It is

culter 8 ·

Lake Superior Region.

The following verses were written by J. G. Whittier, on receiving an eagle's swill, when on a visit to Lake Superior in 1846.

THE SEER.

I hear the far-off voyager's horn, I see the Yankse's trail— His foct on every mountain pass, On every stream his sail.

He's whistling round St. Mary's Falia, Upon his loaded trale; He's leaving on the Pictured Rocks His fresh tobacco stain.

I see the mattock in the mine,
The axe-struke in the dell,
The clamor from the Indian lodge,
The Jasuit's chapel bell!

I see the swarthy trappers come From Mississippi's tyrings; And war-chiefs with their painted brows, And crests of eagle wings.

Behind the seared squaw's birch cance, The steamer smokes and raves; And city lots are staked for sale . Above old Indian graves.

By forest, lake and water-fall, I see the peddier's show; The mighty mingling with the mean, The lofty with the low.

I hear the tread of pioneers
Of nations yet to be;
The first low wash of waves where soon
Shall roll a human sea.

The rudiments of empire here Are plastic yet and warm; The chaos of a mighty world Is rounding into form;

Each rude and jostting fragment soon its fitting place shall find— The raw materials of a state, Its muscle and its mind!

And, westering still, the star which leads The new world in its train, Has tipped with fire the icy spears Of many a mountain chain.

GRAND ISLAND, 125 miles distant from the Saut, is about 10 miles long and 5 land, lies 6 miles east of Munising, at the wide, lying close in to the south shore. mouth of a small stream of the same name.

This is a wild and romantic island; the cliffs of sandstone, irregular and roben into by the waves, form pictures quo externs, pillars, and arches of immense dimensions. There are several romantic bays and inlets protected from storms, which are frequent on this great lake, where the brook trout of a large size can be caught in quantities. The forests also afford a delightful retreat, while all nature seems hushed—save by the meaning winds and billowy surges of the surrounding waters. This is a wild and romantic island; the ing waters.

ing waters.

A few families reside on the south shore, facing the mainland, where is a clearing of considerable extent. The main-shore in full sight, and the Pictured Rocks, visible from its eastern shore, altogether add a charm to this truly Grand Island, unsurpassed by no other spot in this interesting reset by

Island, unsurpassed by no other spot in this interesting region.

MUNISING, formerly called Grand Island City, lies on the south side of Grand Island Bay, here about 3 miles in width. Here is a steamboat wharf and hotol, together with a few dwellings, being, no doubt, destined to become a favorite place of resort, as from this place the Pictured Rocks can be easily reached by canoes or small boats during calm weather. Trout fishing is also good in Ann'e River, which enters Grand Island Bay, and in Miner's River, near the Pictured Rocks.

The bay or harbor is capacious, deep,

near the Pictured Rocks.

The bay or harbor is capacious, deep, and easy of access from the east or west, being 6 miles in length by from 2 to 4 in width, with a depth of water of 100 feet and unwards. It is perfectly land-locked by lalls rising from 100 to 300 feet high, and capacious enough to contain the entire feet of the lakes.

The Schoolcoff from Works, near Muniang, have recently been erected close to

nising, have recently been erected close to the water's edge, for the manufacture of pig iron, where is a landing for teamers.

MINER'S POINT, a most remarkable head-land, lies 6 miles east of Munising, at the

nd romantic island; the ne, irregular and broken as, form picturesque cav-d arches of immense dire are several romantic protected from storms, uent on this great lake, trout of a large size can antities. The forests also al retreat, while all nature—save by the meaning by surges of the surround-

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south side of Grand Island
miles in width. Here is
rf and hotel, together with
being, no doubt, destined vorite place of resort, as he Pictured Rocks can be by cances or small boats eathor. Trout fishing is nn's River, which enters y, and in Miner's River, id Rocks.

na roots.

arbor is capacious, deep,
ss from the east or west,
i length by from 3 to 4
a depth of water of 100
ds. It is perfectly landising from 100 to 300 feet
to enough to contain the ous enough to contain the e lakes.

Iron Works, near Mu-

ntly been erected close to e, for the manufacture of is a landing for teamers. r, a most remarkable head-s east of Munising, at the stream of the same name. The action of the waters has here dis-



ROBERTS-DEL-SG.

grid .

MONUMENT ROCK, about one mile west Integrated portions of the sand-stone formation, forming romantic caverns and grottoea where the waters of the lake penetrate, making strange music in the subterranean passages.

One of the waters of the lake penetrate, making strange music in the subterranean passages.

One of the waters of the lake penetrate, making strange music in the lake. (See Engraving.) All there points can easily be reached from Munising, or Grand Island, by a sail or row boat.

Remarkable Phenomena on Lake Superior.

The sudden and singular changes of the weather on Lake Superior, in connection with its healthy influence, during the summer and fall months, present one of the phenomena of nature which seems almost unaccountable. The sun frequently rises clear and cloudless, giving indications of continued sunshine, when suddenly the sky becomes overeast with white, fleecy clouds, scudding low and giving out a chilly atmosphere, not unfrequently so-companied with rain,—the clouds as suddenly disappear, and a pleasant afternoon usually follows, with light winds. This influence, causing a fluctuation of several degrees of the thermometer, seems to have an injurious effect on most kinds of fruit and vegetables requiring a warm sun throughout the day in order to arrive at maturity; the country a few miles inland, however, being less subject to these frequent changes.

land, however, being less subject to these frequent changes.

On the 6th of August, 1860, there occurred a remarkable phenomenon, as witnessed on Grand Island Bay, near the Pictured Rocks—Lake Superior being here about 170 miles wide. During the foremonon of a pieasant summer'a day, the water was observed suddenly to fall some three or four feet perpendicularly on the south shore, then rise in about half an hour, as suddenly again to recede and rise several times; exposing the bed of the lake for a considerable distance where

height."

To the mariner these audden storms and fluctuations, accompanied by fig., are assumed the southward, while the thermometer ranged at about 74° Fahr. This apparently calm and pleasant weather was taken advantage of by a party of pleasure to cross the bay in a sail-boat from Munising to Grand Island, 3 miles distant, affording a delightful excursion. On looking eastward at about 4 o'clock, z. M., a dense fog or low cloud was seen rapidly to enter the east channel of the bay, from the northward, rolling on in majestic grandeur, and presenting apparently the smoke caused by the discharge of a park of artillery, obscuring every object in the far distance, while the 1-sadiands within one or two miles were distinctly visible. As it approached, the thermometer fell several degrees, and rain followed, attended with much danger, more partie-ranged at about 4 o'clock, z. M., a dense fog or low cloud was seen rapidly to enter the east channel of the bay, from the northward, rolling on in majestic grandeur, and presenting apparently the smoke caused by the discharge of a park of artillery, obscuring every object in the far distance, while the 1-sadiands within one or two miles were distinctly visible. As it approached, the thermometer fell several degrees, and rain followed, attended with much durity in the water and wind all objects in sight suddenly disappear as it in darkest night, the terrific noise of the waters and whn alone being heaved. When followed by snow the deaney of east the most disastrous shipwrecks. In this high latitude a perfect calm seldom continues but for a short time; the wind will occasionally lull, when fittil guets disturb easily more followed by a south disastrous shipwrecks. In this high latitude a perfect calm seldom continues but for a short time; the wind will lock or external followed; attended with much dense the late when the late when the late when the late when the submit of in disastrous shipwrecks. In this high latitude aperfect calm seldom continues to weather the waters, to

the water was shallow, affording a fine op-portunity to collect pebbles of different hues, and precious stones.

At noon the wind blew moderately from

il it stopped at its usual

nor these audden storms is, accompanied by fcg, are much danger, more partic-he land, when the sun and he land, whom the pear as ght suddenly disappear as wind alone being heard.

I by snow the danger is reased, frequently causing rous shipwrecks. In this perfect calm seldom continperfect calm soldom continuent time; the wind will oc-when fifth gusta disturb be followed by a breeze, one quarter of the compass. It to be sold the configuration of the stream of the configuration of the stream of the configuration of the theast direction from Grand found that the thermome-78° Fahrenheit at 2 p. M. day the wind heige from day; the wind being from 7 P. M. a heavy rain and commenced, which lasted same as on Lake Superior, same as on Lake Superior, the a corgeous ennest view, by the magnificent aurora, dy illuminates the northern high latitude, or the beau-f mid-day, which reflects le distinctness the invisible vessels floating on the be-ti inland sea.

at inland sea.

e receding of the waters the above coming storm, o conjecture or further incodeout, however, it caused of water at some remote the water at some remote the vapory clouds which over Lake Superior; they, g caused by cold currents e higher regions or northy were warmer portions along e, when immediately a mist ed, which ascends in the

form of clouds into the upper regions; not, however, at first very far above the lake level—thus giving out the cold influence above referred to as peculiar to the south shore of the lake when the northwest winds provail: this cold influence being most probably wafted far to the east and southward, producing, no shout, an effect on the weather along the Atlantic coast several hundred miles to she southeast. The northwest winds which mostly prevail in the States of New York and Pennsylvania have a modified character, similar to the winds from the same quarter passing over the upper lakes of North America—affording a cool and bracing influence on the human system.

Another remarkable feature in the climate of Lake Superior, is its healthy and invisorating influence on residents and not in the other control of the same of Lake Superior, is its healthy and invisorating influence on residents and not invisorating influence on residents and not into the afforded by nature—pure air and that afforded by nature and water. The intense colds of water The intense colds of water The intense cold of water. The intense colds of water The intense colds of water are referred to a being far more endurated as the properties and water. The intense colds of the far afforded by nature are col

mate of Lake Superior, is its healthy and invigorating influence on residents and invalids suffering from inoipient pulmonary and throat complaints—the sudden changes of hot and cold, or wet weather, seemed to the control of the co

often disappoints the invalid, this north-era climate, its influence extending west-

Every rise or fall of one-twentieth of an inch in the mercurial column, would be attended with an elevation or depression in the surface of the water equal to one changes of hot and cold, or wet weather, inch. A sudden change of the atmossem to brace the constitution, without pheric pressure over a large body of ware when too much exposure is fall, in the manner of waves, greater than andured.

While the balmy southern clime too often disappoints the invalid, this north-tions from the centre of disturbance.

The limits in figure extending wast. These undulations result from an unusual ward toward the Rocky Mountains, seems disturbance of the atmosphere occurring around the margin of the storm, and its effects are perceived before the storm as most miraculous and permanent cures, tally breaks.

Rise and Fall of the Waters of Lake Superior.

From a series of careful observations September, the surface of the lake level continued through a period of eight years, from 1854 to 1862, by Dr. G. H. Blaker, of Marquette, L. S., it has been found that the annual rise and fall of the surface of Lake dynamic ranges between 20 and 28 inches. The first of September it begins to melt freely, until the first of permanent rise, however, was found to

have been about two inches more than the fall for the first six years, from 1854 to end of 1859, thus making a total rise of some 12 inches in the lake level at the

of some 12 inches in the lake level at the latter period.

During the years 1860 and 1861, the waters of Lake Superior fell about two inches annually, making a fall of four inches since 1859, at which period they were at their highest point.

During the winter of 1861-52, there fell at Marquette only four feet and two inches of snow, being about one-quarter the usual amount,—and for the spring months of 1862 there fell only five inches of moisture, being about one-half the usual quantity. These well-authenticated and singular facts, continued to July, 1862, show that the waters of Lake Superior at Marquette are twenty inches lower than Marquette are twenty inches lower than they were in 1861—thus showing an un-usual depression in the waters of this great inland sea

inland sea.

When these interesting observations shall have been extended over a longer period and at different stations, they will, no doubt, solve the mystery which has heretofore involved the annual and periodical rise and fall of these great waters in obscurity.

obscurity.

A careful survey of the great lakes by
a corps of engineers attached to the Topographical Bureau is now nearly completed, which will give meteorological esults and tidal observations of the great in-portance to the mariner, agriculturist, and intelligent traveller.

when blowing in that direction ressels are obliged to anchor off the shore for safety. The Government is about erecting substantial piera, or breakwaters, for the further protection of the numerous steamers and sailing vessels which frequent the harbor. A light-house, also, is erected to guide the mariner, standing on a point of land immediately north of the anchorage. The settlement of Marquette was commenced in July, 1849, and incorporated as a village in June, 1899. It now contains a court-house and jail; a public hall; I Episcopal, I Presbyterian, I Beptist, I Methodist, and I Roman Catholic church; 6 public-house, the Northwestern Hotel, the Tremont House, and the American House being the most frequented by strangers; I bank; 20 or 30 atores and storehouses; 2 printing-offices; besides a large foundery, a rolling-mill and blastfurnace, and machine-shops and factories of different kinds. Population in 1860, 1,635; at present (1867) estimated at 3,000. There are four extensive plers, arranged for the transhipment of iron ore and pig metal, on which the railroad trains deliver and receive freight. Here is the terminus of the Marquette and Ontonagon Railroad, finished for about 40 miles, passing along the south shore of Lake Michigammi, and of the Pesinsula Railroad of Michigan, extending to Escanaba, on Green Bay, 65 miles distant.

and tidal observations of the great inportance to the mariner, agriculturist, and intelligent traveller.

This flourishing lake city is closely identified with the extensive Iron mines in the vicinity, being from 12 to 30 miles distant, situated on an elevated ridge, some of Lake Superior, and a port of entry is advantageously situated on the south shore of Lake Superior, in N. latitude 48° 32′, W. longitude 87° 33′, having a mean automate temperature of 41° Fahr. The harbor, formed by the Bay of Marquette, is Company, and the Lake Superior Company and the Lake Superior Company and the Lake Superior Company having separate docks, from which the ore is shipped to the Eastern markets.

that direction essels are r off the shore for safety, t is about erecting sub-or breakwaters, for the n of the unmerous steamn of the numerous steam's ressels which frequent the thouse, also, is erected to er, standing on a point of y north of the enchorage, to of Marquette was compared june, 1859. It now conse and jsil; a public hall; Presbyterian, 1 Beptist, and 1 Romen Catholic, and the Morthwesters. c-houses, the Northwestern ont House, and the Amerithe most frequented by the 20 or 30 stores and printing-offices; besides a a rolling-mill end blast-chine-shops and factories ds. Population in 1860, tent (1867) estimated at are four extensive piers, transhipment of iron ore on which the railroad and receive freight. Here s of the Marquette and coad, finished for about 40 dng the south shore of ami, and of the Peninf Michigan, extending to Green Bay, 65 miles dis-

ing lake city is closely the extensive Iron mines being from 12 to 30 miles on an elevated ridge, some above the waters of Lake known as the Fron Mointe new eight mines exprofitably worked, being ate companies; the Jackgony, the Cleveland Iron the Lake Superior Companies docks from which parate docks, from which

The iron works and blast furnaces in the vicinity of the mines manufacture annally large quantities of pig iron of a superior quantity. The iron business now gives employment to about 200 sall-vessels and a large number of propellers navigating the Upper Lakes.

Marquette—with all its commanding advantages as a commercial and manufacturing town, as well as a faverite resort for invalida, being surrounded by a healthy, invigorating atmosphere—lacks a supply of pure and wholesome water, it now being mostly obtained from reservoirs and wells, of an impure character when compared with the sparkling pure waters of Lake Superior with which it is almost surrounded. The hotel accommodations are also a subject of complaint. Such, however, is the bracing and health-restoring influence of the climate of this region, that invalids are generally benefited on a short sojourn, and laborers in the mines can work the whole year round without discomfort, accomplishing much more work in a given time than in more southern latitudes.

Carp River, on the east, and Dead River, on the north, both flow into Lake Superior near Marquette, on each of which are rapide and falls of great beauty, affording good water power. These

TROW MINING COMPANIES.

. Name.	President.	Secretary.	"SHEET Office. "
LEVELAND,	George Worthington,		Cleveland, Ohio.
RON MOUNTAIN,	George E. Hall,	T. D. Ella.	Cleveland, Ohio.
	T. B. Brooks, V. P.,	Chas, E. Canda,	New York.
ACKSON,	David Stewart.	D. P. Lloyd.	New; York. seins
CARE SUPERIOR,	Jos. S. Fay.	S. P. Ely.	Marquette, Mich.
MAGNETIO.	John C. McKenzie.		Marquette, Mich.
MARQUETTE,	John Outhwaite.		Cleveland, Ohio,
YEW ENGLAND,	E. B. Ward,		Detroit, Mich.
NEW YORK.	Samuel J. Tilden.		New York
Pittsburgh & L. Ang.,	Jas, Laughlin,	T. D. Ella	Cleveland, Ohio.
Manufett in	Edwin Parsons,	S. P. Ely.	Marquette.
Washington,	H. B. Tuttle & Son,		Cleveland, Ohio.
AND tanks miles	100	• • • • •	

TRIP THROUGH THE LAKES.

Bush at The "E	IBON MANUPAC	TURING COMPANIES.	Dieder in the dieder 900
Name.	President.	Secretary.	Office.
BANCROFT,	Wm. E. Dodge,	Peter White,	Marquette.
CHAMPION,	L. H. Morgan,	S. P. Ely,	Marquette,
Collins,	C. A. Trowbridge,		New York.
GREENWOOD,	Jos. S. Fay,	8. P. Ely,	Marquette.
Michigan,	A. B. Meeker,	A. G. Clark,	Marquette.
MORGAN,	L. H. Morgan	8. P. Ely,	Marquette.
NORTHERN,	C. T. Harvey,	M. Hoppock,	New York.
PIONERR,	John C. McKenzie,	Henry Baldwin,	New York.
SCHOOLCRAFT,	Peter White,	Henry R. Mather,	Marquette.
A P	SILVER LEAD	MINING COMPANIES.	6381
Name.	President.	Secretary.	Office.
HOLYOKE,	H. R. Mather,	S. E. Church,	Marquette,
LAKE SUPERIOR,	A. H. Sibley,	A. S. Kellogg,	New York,
SEDGWICK,	H. R. Mather,	S. E. Church,	Marquette.
	W		
The then it is	UNTYIRON MINES.	SUMMARY OF IRON	
the iron interest of 1867 stands out in cedented. A dec- since the first ship the mines of Marq and yet the grane closed is a half about one-fourth of the United States. These iron min	nen the development take Superior, the yet in its history as unprade has scarcely passement of iron ore frou uette County was mad it result of the year justified tons—equal to the entire product of the entire product ea are situated on the teta and Ontonegon Rai	arqueste fron Co New York Iron Co Lake Superior Iron Co Jackson Iron Co Pittsburgh & L. A. I New England Mine Washington Iron Co. Iron Mountain Iron Cliff (estimated),	7,8: 47,00 20,11 126,3: 126,3: 120,12 126,3: 120,4:
road, distant from	n Lake Superior from	n Total from Ore.	469,85
	The Peninsula Railroa		fron.
fording additions	I facilities for tranship		5,38
ment via Recene	ba, situated on Gree		5,00
Bay, 65 miles dist	aut from the mines.		4,18
	of the railroad runnin	Collins Furnace	4,63
rom Marquette to	Ontonagon, about 12	Bancroft Furnace Pioneer Furnace (2 a	tooks) 6.00
	- merchalon anous 12		tacks) 6,98
niles distant, ness	ing Lake Michigamm		
miles distant, pass will greatly incre	ing Lake Michigamm	i, Northern Furnace	1,78
will greatly incre	ase the trade of Mar te the transhipment o		

Trained Office. Marquette. Marquette. New York. Marquette. Marquette. Marquette, New York. New York. Marquette.

weeks his hours of the

Office. Marquette. Marquette.

IRON ORN AND PIG IRON DUCED IN 1867.

Inon One Co	
Iron Ore. Gr	
a Co	75,822
n Co	7,827
on Co	47,000
· Iron Co	120,178
Co	126,391
L. A. Iron Co	46,607
Mine	9,075
	4,980
ron Co	25,440
Iron Co	5,000
imsted)	1,000
n Ore	489,820
Pin Tenne	
Pin Tenne	m.
Pig Iron.	5,339
Pig Iron. urnace	5,339 5,059
Pig Iron. urnace	5,339 5,059 4,131
Pig Iron. urnace	5,339 5,059 4,131 4,639
n Ore	5,389 5,050 4,131 4,630 3,051
Pig Iron. urnace	5,339 5,056 4,131 4,636 3,051 6,980
Pig Iron. urnace	5,339 5,059 4,131 4,639 3,051
Pig Iron. urnace	5,339 5,056 4,131 4,636 3,051 6,980

Comparative Statement of the production of Iron Ore and Fig Iron in Marquette County from 1865 to 1867 inclusive.

YEAR.	Iron Ore.	Pig Iron.	Value.
1855	1,447		\$
1856	11,597		
1857	26,184		
1858	31,035	1,629	249,202
1859	65,679	7,258	575,529
1860	116,998	5,360	736,496
*1861	45,430	7,970	419,401
1862	115,721	8,590	984,977
1863	185,257	9,813	1,416,935
1864	235,123	13,832	1,867,215
11865	195,256	12,283	1,590,430
1866	296,872	18,437	2,405,960
1867	469,320	30,911	3,475,720

* Beginning of the war.

THE SHIPPING

from our port has manifested an activity corresponding to the increase of business. The great iron docks have been crowded to almost their fullest extent. The total number of clearances have been as fol-

Steamboats	521	
Vessels.	404	. 3
Upt 25 (a) Total	-	Tonn'ge.
(a Total	925	442,431
Clearances for 1866	765	381,345
in openhance		
ne Increase	160	61.086

The Marquette and Ontonagon, as also the Penineula Railroad has been taxed to its utmost to furnish transportation for the immense amount of freight pressed apon it. It has moved as many as 3,000 tons in a single day.

The active capital employed in mining and manufacturing has been increased not less than \$1,000,000. The aggregate sum invested in the iron business is now about \$5,000,000.

	Tons.	Value.
Iron ore produced	460,820	\$2,845,60
Pig iron	80,911	1,180,12
Lath	9,895,000 ft. 1,205,000	200,00
Shingles "	1,400,000	
Agricultural products. Blast furnaces erected.		86,95
Buildings	800	400.00
Total value		4,712,67

Marquette to Keweenaw Point.

Stat 1 7 1

On leaving Marquette the coast tends northwestward, passing Presque Isle and other bold headlands, the coast here presenting a rocky, iron-bound appearance for many miles, with high hills in the distance, being elevated from 800 to 1,000 feet above the waters of the lake.

GRANTE ISLAND, 12 miles north of Marquette, is passed on the right, having on one sido two vertical walls of trap, 20 feet high and 12 apart, forming a secure boat harbor. On the mainland opposite is seen Grante Point, rising from 120 to 130 feet. Due north from the above island lies Stanard's Rock, a most dangerous projection, discovered by Captain Stanard in 1835, while in the employ of the American Fur Company, sailing the schooner, John Jacob Astor. The rock may be seen on the direct route of steameers from Marquette to Maniton Island or Copper Harbor.

ers from Marquette to Maniton Island or Copper Harbor.

The HURON ISLES, lying about 20 miles east of Portage Entry, numbering five or six rocky Islands or islets, form a most picturesque group, covered in part with a stunted growth of trees.

HURON BAY and POINT ABBEYE are next passed, and the upward bound steam-

L'ANCE is an excellent harbor where is small settlement situated at the head of Keweensw Bay. A short distance north are located a Roman Catholic and Methodist mission-house and church, the Catholic being on the west shore of the bay and the Methodist on the east. Both are surrounded by Indian tribes and settle-ments. This locality, at no distant day, favorably situated between the iron and copper regions of Lake Superior.

PORTAGE ENTRY, 70 miles above Mar-

FORAGE ENTRY, 70 miles above Marquette, is an important part of entry here being the mouth of the outlet to Portage Lake, where stands a light-house to guide the marner.

The land here is low and the ahore uninteresting, except being lined with variegated sandstone, worked into almost every variety of shape by the action of water. water.

The Entry and Lake is an extensive and beautiful sheet of water, extending to within a mile of the entire breadth of to within a mile of the entire breadth of the peninsula of Keweenaw Point, in the county of Houghton. It receives a number of small streams, draining the rich copper region of Lake Superior.

In the immediate vicinity of the lake are found rich deposits of copper, yielding great returns to the uniner and capitalist.

Houghton County, and a port of entry, is situated on the south side of Portage Lake 14 miles above Portage Ratys and

er enters a large expanse of water called Houghton was commenced in 1854, and L'Ance, or Keweenaw Bay, extending far incorporate/ as a village in 1864. Houghton was commenced in 1854, and incorporated as avidage in 1861. It now contains a court-house end jail; I Episcopel, I Methodist, and I Roman Catholic church; I bank; 5 public-houses, the Douglas House and the Butterfield House being the most frequented by visitors; warehouses; 2 large stamp mills, using warehouses; 2 large stamp mills, uzing stesm power; 2 steam saw-mills; 3 breweries, and several other manufacturing establishments. The population of the town is estimated at 3,000. This new and flourishing place, ying on a side-hill rising 300 or 400 feet; is identified with the copper mines in its immediate vicinity. There are several mines worked to a large extent, besides others of less note which will, no doubt, soon be rendered productive. The mine

others of less note which will, no doubt, soon be rendered productive. The mineral range of Keweenaw Point, some 4, this section of country, being as yet only partially explored. The Isle Royal, Hu, ron, and Portage, are the principal mines worked on the south side of the lake. The Portage Lake is an irregular body of, water about 20 miles in length, extending nearly across Keweenaw Point to within 2 miles of Lake Superior. Steamers and sail-vessels drawing 12 feet can pass through Portage Entry, and navigate the lake with safety. This body of water was an old and favorite thoroughfare for the Indians, and the Jesuit Fathers who first discovered and explored great returns to the miner and capitalist.

Houghton, Mich., the county seat of Houghton County, and a port of entry, is situated on the south side of Portage Lake, 14 miles above Portage Entry, and 10 miles from Lake Superior, lying on the morthwest. By means of a river improvement and ship canal, steamers can run through Portage Lake into Lake Superior on both sides of Kewsenaw Point, thus forming one of the most capacious and secure harbors in the Upper Lakes, it being land-locked and protected by high hills on both sides. The settlement of

commenced in 1854, and a village in 1861. It now rt-house end jail; 1 Epis-dist, and 1 Roman Catholio nk; 5 public-houses, the and the Butterfield House and the Butterfield House to frequented by visitors; os and several extensive large atamp mills, nelug 2 steam saw-mills; on several other manufachments. The population is estimated at 3,000, and flourishing place, hill rising 300 or 400 feet; the copper mines in its, the copper mines in its and the copper mi ed productive. The min-Keweenaw Point, some 4 idth, extends through a. idth, extends through accountry, being as yet only red. The Isie Royal, Huge, are the principal mines south aids of the lake.

SE is an irregular body of D miles in length, extenders Keweenaw Point to of Lake Superior. Steam-ssels drawing 12 feet can Portage Entry, and navi-rith safety. This body of old and favorite thorough-dians, and the Jesuit Fat discovered and explored country. A canal of two would render this portage e for atsamers and sail, ing Lake Superior, there-ie distance over 100 miles, there months the atmosphere and transparent in the vi-tion, and all through Ke-objects can be seen at a of a clear day, while sounds distinctly through the sky enting a phenomenon per

culiar to all northern latitudes. This is the season of health and pleasure to the permanent residents.

HANGOEK, Houghton County, Michigan, is aits ated on the north side of Portage Lake, opposite to the village of Houghton, with which it is connected by a steam ferry. The town was first laid out in 1865, and now contains about 4,000 inhabitants, including the mining population on the north side of the lake; its sudden rise and prosperity being identified with the rich deposit of native copper, in which this section of country abounds. The site of the village is on a side-bill and Northern Iows and Wisconsie, herein which this section of country abounds. The site of the village is on a side-hill rising from the lake level to a height of about 500 feet, where the opening to the mines is situated. Here is 1 Congregational, 1 Methodist, and 1 Roman Catholic church; 3 public-houses; the Hancock Him and stamping-mill; a number of three and stamping-mill; a number of three and warshouses. I stem assumill. atores and warehouses; I steam saw-mill, I barrel factory, I foundery and machine-shop, and other manufacturing establishmeuts; also, in the vicinity are 4 extenmeuts; also, in the vicinity are 4 extensive steam stamping-mills, worked by the different mining compaules. The Portage Lake Smelting Works is an incorporated company, turning out annually a large amount of pure merchantable copper. The business of the company consists of fusing and converting the mineral into fund metal for manufacturing purposes. Portage Lake and Lake Superior Ship Ganal Company, incorporated by the Legislature of Michigan in 1864, for the purpose of constructing a ship canal from Legislature of Michigan in 1864, for the purpose of constructing a ship canal from Portage Lake to Lake Superior, extending scross Keweensw Point and lessening the involving the superior about 150 miles. The canal is to be about 3 miles in length, 13 feet deep, and 100 feet in width at the bottom. It has a land grant of 400,000 acres, appropriated by acts of Congress, dated respectively March 5, 1865, and July 3, 1666. The entire distance through Portage Lake and the ship canal is 24 miles. At the west end

and Northern Iowa and Wisconsin, here-tofore finding a market at Chicago, Mil-waukee, or St. Louis.

waukee, or St. Louis.

The Portage Lake and River Improvement Company was chartered in 1861, for two improvement of Portage River, entering Keweenaw Bay 14 miles below Houghton. An entrance was cut from the bay into the river, 1,400 feet long, 100 feet wide, and 12 feet deep, and a pier built out into the bay on the east side of the channel entrance. The channel of the river was siso dredged so as to give a danth of 12 feet into Portage Lake, thus depth of 12 feet into Portage Lake, thus enabling the largest class of lake steamers to land at the wharves in Houghton and

Hancock.

On the completion of the Portage and Lake Superior ship canst on the northwest, 3 miles in length, steamers and sall vessels can seil direct through, avoiding the passage around Keweenaw Point.

Lac La Bella, lying on the southeast side of Keweenaw Point, near its termination, is a beautiful sheet of water, its outlet flowing into Bête Gris Bay. It is about two and a helf miles long and half a mile wide. In the vicinity of the lake are veins of copper ore of a rich quality.

In the vicinity are located the Mendots, Penusylvania, and Delaware copper min-ing companies. A ship canal, about one mile in length, has been constructed, which enables steamers of the largest class to enter the lake, affording one of the most secure harbors on the south

Mewcenaw Point* is a large extent of land jutting out into Lake Superior, from 10 to 25 miles wide and about 60 miles in length. This section of country for upward of 100 miles, running from southwest to northeast abounds in silver and copper ores, yielding immense quantities of the latter; much of it being pure native copper, but often in such large messes as to render it almost impossible to be separated for the purpose of transportation. Masses weighing from 1,000 to 5,000 pounds are often sent forward to the Eastern market. The geologica. Keweenaw Point* is a large ex-

e "On many maps spelled Keunesnesserona, and otherwise. Pronounced by our Indiana, "Ki.wi-wai-non-ing," now written and pronounced as above; meaning a portage, or place where a portage is made—the whole distance of some eighty or ainety miles around the Point being asved by antering Portage Lake and following up a small stream, leaving a portage of only about a half mile to Lake Superiso on the other side."—Foster and Whitney's Report.

formation in very interesting, producing specimens of rare beauty and much value.

MANITOU ISLAND lies off Keweenaw Point, on which is a light-house to guide the mariner to and from Copper Harbor. The island is about 7 miles in length and four wide.

the most secure harbors on the south shore of Lake Superior.

It is proposed to construct a railroad, to run from Lake La Belle across Keweenaw, to run from Lake La Belle across Keweenaw Point, in N. lat. 41° 30′, W. long. 88° 00′; the harborn mines on Eagle River, a distance of 22 mises. When completed, this road will afford a reliable and safe harbor for the secommodation of the Keweenaw district, that will be accessible in all weathers.

Mount Houghton and Mount Bohemid are two prominent eminences, lying a few miles west of Lake La Belle, the former being elevated about 1,000 feet above the lake.

AGATE HARBOR, 10 miles west of Copper Harbor, is the name of a small settle-ment. This port is not as yet much fre-

ment. This port is not as yet much frequented by steamers.

EAGLE HARDOR, 16 miles west of Copper Harbor, is a good steamboat landing. Here are two churches, a good publichouse, together with several stores and storehouses. Population about 700, being mostly engaged in mining. The Central, Copper, Falis, Pennsylvania, and Amygdaloid are the principal working copper mines.

EAGLE RIVER HARDOR and Village, eight miles furthor, are favorably situated at the month of a stream of the same name Here are two churches, a well-kept hetel, four stores and several storehouses. Population 800. This is a thriving settlement,

ulation 800. This is a thriving settle it being the outport of the celebrated Cliff, or Pittsburgh and Boston, and other onn, or retaining and noscon, and other mines. The copper found in this vicinity is of the purest quality, where is found silver in small quantities, some of the specimens being highly prized. Off this ory interesting, producing re beauty and much value. AND lies of Kewsenaw a is a light-house to guide and from Copper Harbor. out 7 miles in length and

aon, Mich., is situated near d of Keweenaw Point, in W. long. 88° 00'; the har-mewhat difficult to enter, at on Lake Superior, being e from the Saut Ste. Mari contains about 200 inhabi-a hotel, and two or three Vilkins, formerly an U. S. as been converted into a adsomely situated on Lake out half a mile distant cat landing. In the vicin-mines which have been ried, and are well worthy

OR, 10 miles west of Cophe name of a small settle rt is not as yet much fre-

DR, 16 miles west of Copone, 16 miles west or cop-a good steamboat landing, churches, a good public-with several stores and opulation about 700, be-gaged in mining. The gaged in mining. The Falls, Pennsylvania, and the principal working

HARBOR and Village, eight re favorably situated at the ream of the same name hurches, a well-kept hotel, several storehousee. Popnis is a thriving settlemen utport of the celebrated rgh and Boston, and other pper found in this vicinity t quality, where is found quantities, some of the g highly prized. Off this

harbor the Inmented Dr. Houghton was drowned October, 1945, while engaged in exploring this section of country: Kewenaw Point sad adjacent country being very appropriately named Houghton County in honor of his memory.

On the north side of Keweenaw Point bold shores extend to near Ontonagon, with high lands in the distance, forming the rich copper range of this region.

Ontonagon, Ontonagon Co., Mich., 356 miles from the Saut Ste. Marie, is sadvantageously situated at the mouth of the river of the same name. The river is about 200 feet wide at its mouth, with a sufficient depth of water over the bar for large steamers. The village contains 3 churches; a good hotel, the Big-low House; smelting works; 2 steam tanneries; 1 gristmill; 2 steam saw-mills, and 10 or 12 stores and storehouses, and 1,200 inhabitants.

In this vicinity are located the Minne-kets, the National the Recking and the Recking and

mill; 3 steam saw-mills, and 1,200 inhabitants.

In this vicinity are located the Minnesota, the National, the Rockland, and several other very productive copper mines. The ore is found from twelve to fifteen milea from the landing, being imbedded in a range of high hills traversing Keweenaw Point from N. E. to S. W. for about 100 miles. Silver is here found in small quantities, beautifully intermixed with the copper ore, which abounds in great masses.

A good plank road runs from Ontonagon to near the Adventure Mine, and other mines, some twelve or fourteen miles distant, where commences the copper range of hills.

The Porcuping Mountain, lying some 1,800 feet great distance, rising some 1,800 feet great distance, rising some 1,800 feet miles; situated at the mouth of St. Length of Miles.

LAKE SUPERIOR LIGHT-HOUSES.

1. Round Island Light, visible 12 miles; feet. a geographical, or nautical mile is River, 61 miles W. Sant Ste. Marie. 6,140 feet.

LENGTH OF MILES.

An English, or statute mile, is 5,280

COPPER MINING COMPANIES OF LAKE SUPERIOR.

Compiled from Official Sources-1867.

Portage District. † Ontonagon District. ‡ Keweenaw District.

NAMES.	Office.	Am't paid in.	Names.	Office.	Am'to
Adama *	Boston.	\$70,000	Garden City t	Chicago.	156,000
Adventure †		100,000	Girard 2	Philadel'a.	43,300
Ætna ‡		140,000	Grand Portage		50,000
Albany & Boston		615,000	Great Western +	Pittsburgh.	40,000
Algomah +		60,000	Hamilton +	New York.	40,000
Allouez, ‡	#	28,000	Hancock *	Boston.	470,000
American !		20,000	Hanover *		30,000
Amygdaloid !	Philadel'a.	460,000	Hertford +	New York.	30,000
Arnold t	Boston.	30,000	Hecla *	Boston.	320,000
Atlas !		40,000	Highland +	"	20,000
Azteo +	. "	150,000	Hilton +	New York.	50,000
Bay State 1		345,000	Hope :	# .	22,800
Bohemian		343,000	Hulbert	Boston.	15,000
Boston 1		45,000	Humbolt *	5 4	100,000
Caledonia +		140,000	Hungarian	., 14	20,000
Calumet *	Boston.	300,000	Huron *	- 66 (g - c	500,000
Centrai t		100,000	Indiana +	New York.	200,000
Concord	Boston.	100,000	Iroquois	Boston.	20,000
Copper Creek	New York.	30,000	Isle Royale *	New York.	840,000
Copper Falls !		490,000	Kearsarge *	Boston.	000
Copper Harbor 1		20,000	Keweenaw 1	New York.	1,0,000
Dana ‡		65,000	Knowlton +	**	160,000
Dacotah *	. Pittsburgh.	56,500	Lake Superior +	. 44 52	40,000
Delaware t		350,000	Madison 1	Boston.	120,000
Devon		20,000	Mandan t	Philadel's	65,300
Dorchester *	Philadel'a.	30,000	Manhattan t	Boston.	110,000
Douglass *	New York.	130,000	Mass +	Pittsburgh.	98,800
Dover	- 44	20,000	Medora *	11	38,400
Dudley *	Boston.	20,000	Mendota 1	New York.	147,500
Eagle Harbor t	New York.	80,000	Merrimac	Philadel'a	117,900
Eagle River 1	Boston.	85,000	Mesnard *	Boston.	159,000
Edwards Copper	New York.	52,500	Michigan 1	New York.	40,000
Empire 1		76,000	Milton	4	30,000
Evergreen Bluff +		110,000	Minnesota †	13	416,000
Everett	Boston.	20,000	National	Pittaburgh.	110,000
Filnt Steel River		204,000	Native	Boston.	89,000
Franklin *		270,000	Naumkeag *		20,000
Frue			North Cliffe *		

KE SUPERIOR.

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Veen	aw District.	OSterano
1 1		Perman
2.1	Office.	paid in.
		The second
	Chicago.	156,000
•	Philadel'a. New York.	43,300 1 50,000 1
	Pittsburgh.	40,000
	New York.	40,0000
	Boston.	470,000
• • •	N 17	30,000
	New York. Boston.	30,000 1 320,000
• • • •	# "	20,000
	New York.	50,000
	44	22,800
•••	Boston,	15,000
•••		100,000 20,000
	H Quit	500,000
	New York.	200,000
	Boston.	20,000
	New York.	840,000
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•••	New York.	160,000
	H :	40,000
	Boston,	120,000
	Philadel'a	65,300 vt
	Boston.	110,000
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	Philadel'a	117,900
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	Now York.	40,000
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•••	Pittsburgh. Boston.	110,000 88,000 (g
•••	MOBIOL.	20,000
	Pittsburgh.	100,000

NAMES.	Office.	Am't paid in.	NAMES.	Office.	Am't paid in.
Northwestern*	Pittsburgh,	227,300	Saint Louis *	Boston.	\$20,000
Norwich †	New York.	230,000	Saint Mary's *	11	110,000
Ogima +	"	140,000	Salem	H.	10,000
Ossipee #	Boston.	10,000	Seneca	New York.	40,000
Pennsylvania 1	Philadel'a.	500,000	Sharon 4	"	2,000
Petherick 1	Boston.	70,000	Shelden &Columb'n*	"	480,000
Pewabic *	. 44	135,000	South Pewabic	Boston.	260,000
Philadel's & Bos'n 1	Philadel's.	24,300	South Side *	44	90,000
Phoenix t	Boston.	560,000	Star 1	44	265,000
Pitta'b & Boa'n t	Pittsburgh.	110,000	Superior †	New York.	210,000
Pontigo *	Boston.	104,900	Toltec +	Boston.	440,000
Quincy *	New York.	200,000	Tremont +	84	22,000
Reliance t	41	20,000	Victoria	68	85,000
Resolute 1	Philadel'a.	51,000	Vulcan	Philadel'a.	80,000
Ridge +	New York.	200,000	Washington	Boston.	20,000
Rockland +		280,000	West Minnesota + .	44 .	45,000
Rhode Island	a .	100,000	Winona +	Philadel'a.	20,000
Saint Clair	Boston.	110,000		Boston.	90,000

RECAPITULATION:—The whole "amount paid in " is \$15,515,500. This does not include the *original cost* of Mining Location, nor the sums derived from the sale of Copper which have been expended in developing the Mines. The aggregate of Cash Dividends is \$5,880,000.

LAKE SUPERIOR:

ITS CLIMATE AND HEALTH-RESTORING INFLUENCE.

[Extract from a letter dated MARQUETTE (MICH.), September 1, 1864.]

"The number of visitors to this healthrestoring region during the past summer has been very great, and I wish to record my testimony of its benefit to nyself and others. The great mistake, however, is, with most invalids, that they do not come early enough in the senson, and remain too short a period to feel the full effects on the system; still the beneficial results are usually felt immediately on arriving in this region.

"The following statement, made by a physician, may be relied on as st. .dly correct:

the same month. The voyage was con-tinued to Ontonagon and thence back to Marquette, where he remained until the present date.

tinued to Ontonagon and thence back to Marquette, where he remained until the present date.

"The result of this short voyage and stay on the lakes was truly gratifying, he being greatly invigorated in general heuith, and now able to endure any amount of fatigue desirable—fishing, hunting, or exploring the mines in this rich mineral region, and at all times finding the atmosphere truly invigorating, producing buoyancy of spirits. In his opinion the atmosphere of Lake Superior and the aurrounding shere is well calculated to restore those who are in any way enervated by unhealthy climate or disease; the belief being, in his opinion, that the atmosphere of this northern region possesses an excess of oxygen, together with a peouliar dryness and lightness which admirably adapts it to the purposes of free respiration. The lowness of the temperature, ranging from 40° to 70° Fahrenheit during the aummer months, although not tending to provoke colds or coughs, causes a disposition to sleep as easily and quietly as a healthy babe in its eradle.

"Invalids suffering from asthma, bronchial, pulmonary affections, or general debility, are directly relieved and invig-

orated—these beneficial results being acknowledged by all patients who give the wonderful recuperating influence of this climate a fair trial. It is not unusual for invalids to gain half a pound of flesh daily, and in the summer of 1862 an officer from the army of West Tennessee, on furlough on account of sickness, stated that he had gained thirty pounds within as many days, although his strength had not as yet returned, but no doubt he only wanted time to feel the full recuperating effects of the Lake Superior region.

"Although the winters are long, they are considered the most healthy period of the year, the extreme cold not being greater than is sometimes felt in the Northern and Eastern States near the seaboard. There is usually a heavy fall of snow, often continuing daily, at intervals for some weeks, with but little thawing wester. The cases of invalids being relieved, and taking up their permanent residence in this region, is yearly increasing they being living witnesses of

relieved, and taking up their permanent residence in this region, is yearly in-creasing, they being living witnesses of its health-restoring qualities.

"I may add my own individual expe-rience to the above, during the past eight years, having four times visited Lake Su-perior. Yours, &c., "J. D." Yours, &c., "J. D."

LA POINTE, 77 miles west of Ontonagon, cituated on the south end of Madeline Island, the largest of the Apostle Islands, is one of the oldest settlements on Lake Superior; it was first peopled by the French Jesuits and traders in 1680, being 420 miles west of the Saut Ste. Marie, which was settled about the same time. The mainland and islands in this vicinity have been for many ages the favorite

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eneficial results being ac-all patients who give the perating influence of this al. It is not unusual for an half a pound of fiesh at the summer of 1862 an army of West Tennessee, account of sickness, stated ned thirty pounds within although his strength had ned, but no doubt he only feel the full recuperating

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The cases of invalids being
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axing up their permanent, this region, is yearly in-being living witnesses of ring qualities. my own individual expe-bove, during the past eight four times visited Lake Su-Yours, &c., "J. D."

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American Indian, now ling away as the country is and settled by the white

now contains 300 inhabis now contains 300 inhabit whom are half-breeds and e is an old Roman Catholic as Methodist church; 2 hou and several coopering estab-the making of fish-barrels. The harbor and steamboat landing are on

The harbor and steamboat landing are on the south end of the island, where may usually be seen fishing-boats and other creat navigating this part of Lake Superior. Wheat, rye, barley, oats, poas, potatoes and other vegetables, are raised in large quantities. Apples, cherries, gooseberries and currents are raised in the gardens at La Pointe. The wild fruits are plums, cranberries, strawberries, red rapperries, and whorldoberries. The principal forest-trees on the islands are maple, pine, hemlock birch, puplar, and codar trees.

(BAFFIELD, capital of La Pointe Co., Wis, is, favorably situated on the southern shore of Lake Superior, 80 miles east of its western terminus, and 3 miles west of La Pointe, being 80 miles west of Ontonagon. The harbor is secure and capacious, being protected by the Apostle Islands, lying to the northeast. The town plot rises from 60 to 80 feet above the waters of the lake, affording a splendid view of the bay, the adjacent islands and headlands. Its commercial advantages are surpassed by no other point on Lake Superior, being on the direct route to St. Paul, Minn., and the Upper Missisalpit. Here are situated a Presbyterian, a Methodist, and a Roman Catholic church; 2 botols. 4 stores. 2 warehouses 1 steam s Methodist, and a Roman Catholic church; 2 hotels, 4 stores, 2 warehouses, 1 steam saw-mill, and several mechanics' shops.

Rounts, and several mechanics' shops. Population in 1860, 300.

The Hudom and Bayfeld Railroad, 164 miles in length, has been surveyed and will most probably be completed within a few years, there being a favorable land grant conceded to the company. This will afford a speedy route to St. Paul and other ports on the Missiesippi River.

LA POINTE BAY, on the west side of which is situated the port of Bayfield, is a large and safe body of water, being protected from winds blowing from every point of the compass. The shores of the islands and mainland are bold, while the larbor affords good anchorage for the whole fleet of the lakes.

The Indian Agency for the Chippewa tribe of Indians residing on the borders of Lake Superior, have their headquarters at Bayfield. The sanual annuities are usually paid in August of each year, when large numbers flock to the Agency to obtain their pay in money, provisions, and elabling. clothing.

ASHLAND, 12 miles south of La Pointe, at the hoad of Chagwamegon Bay, is another new settlement no doubt destined to rise

new sattlement no doubt destined to rise to some importance, it having a very spacious and secure harbor.

MASKEG RIVER, a considerable stream, the outlet of several small lakes, enters. Lake Superior about 15 miles east of Ashiaud; some 10 miles farther eastward enters MONTREAL RIVER, forming the boundary, in part, between the States of Michigan and Wisconsin.

The TWELVE APOSTLER' ISLES consist.

igan and Wisconsin.

The Twelve Arostles' Isles consist of the Madeline, Cap, Line, Sugar, Oak, Otter, Bear, Rock, Cat, Ironwood, Outer, and Presque Isle, bosides a few smaller islands, being grouped together a short distance off the mainland, presenting during the summer months a most pleuresque and lovely appearance. Here are to be seen clay and sandstone cliffs rising from 100 to 200 feet above the waters, while most of the islands are clothed with a rich foliage of forest-trees.

THE TWELVE APOSTLES' ISLANDS.

foliage of forest-trees.

The following description of these romantic is unds is copied from Owen's Geological Survey of Wisconsin, &c.

"When the waters of Lake Superior assumed their present level, these islands were doubtless a part of the promontory, which I have described as occupying the space between Chagwamegon. Bay and Brute River. They are composed of drift-hills and red clay, resting on sand-stone which is occasionally visible. In the lapse of ages, the winds, waves, and cur-

of the drift and sandatone.

"At a distance they appear like mainland, with deep bays and points, gradually becoming more elevated to the westward. "He su Uhėna," or Oak Island, which is next the Detour (or mainland), is a pile of detached drift, 250 or 300 feet high, and is the highest of the group. Madelina, "Wau-ga-bame" Island, is the largest (on which lies La Pointe), being 13 miles long, from northeast to southwest, and has an average of 3 miles in breadth. "Muk-quaw" or Bear Island, and "Eshquagendeg" or Outer Islanda, are about equal in size, being six miles long and two and a half wide.

"They embrace in all, an area of about

and a half wide.

"They embrace in all, an area of about
400 square miles, of which one-half is
water. The soil is in some places good,
but the major part would be difficult to
clear and cultivate. The causes to which clear and cultivate. The causes to which I have referred, as giving rise to thickets of evergreens along the coast of the lake, operate here on all sides, and have covered almost the whole surface with ceds: birch, aspen, hemlock, and pine. There are, however, patches of sugar-tree land, and natural mesdows.

"The waters around the islands afford

rents of the lakes out away channels in these soft materials, and finally separated the lowest parts of the promontory into islands, and island-rocks, now twenty-three in number, which are true outliers of the drift and sandstone.

"At a distance they appear like mainland, with deep bays and points, gradually becoming more elevated to the westward. "It su Chêns," or Oak Island, with his next the Detour (or mainland), is a pile of detached drift, 250 or 300 feet high, and is the highest of the group. Madeling, 'Wau-ga-besme' Island, is the lar-

Healthy Influence of Lake Superior.

No better evidence can be given of the healthy climate of the Lake Superior re-gion than the following extracts from let-ters, written by woll-known individuals:

"Bayrield, July 28th, 1860.
"Dear Sir :—Perhaps it would be interesting to you to state, in a few word, the happy effects that this climate has preduced for me.

simose the whole surface with a code of hirch, aspen, hemicock, and pine. There are, however, patches of sugar-tree land, and natural mesdows.

"The waters around the islands afford excellent white fish, trout, and siskowit, which do not appear to diminish after many years of extensive fishing for the lower lake markets. For trout and siskowit, which are caught with a line in deep water, the best ground of the neighborhood is off Bark Point or 'Point Ecore' of the French. Speckled or brook trout are also taken in all the small streams.

"That portion of the soil of the islands fit for cultivation, produces potatoes and all manner of garden regetables and roots in great luxuriance. In the flat wot "Previous to my coming here I consulted

soil and climate are favor-and the crop is certain and oats, and barley do well hen well cultivated.

To health, no portion of the asses the Apostle Islands, or months they present to f the South the most cool resort that can be imagined, is, especially such as are lungs or liver, the uniform where of Lake Superior pro-t surprising and benedical

influence of Lake Superior.

ridence can be given of the following extracts from lety well-known individuals;

AXFIELD, July 28th, 1860.

—Perhaps it would be interto state, in a few words, the
that this climate has pro-

my coming here I consulted hysicians in Philadelphia, atral part of Pennsylvania, ington, D. C., and one in D. C. It was the opinion of mption was tightening her e, and that soon I would be we. Under medical advice an inhaling apparatus, drank nd whiskey, but all without results. Through the ad results. Through the ad, and in hopes of saving my, this place, June 6th, 1857, a me three gallons of cod-three gallons of old systis bracing atmosphere seems immediate relief, and in a seemed as if a heavy load. was removed from my chest. I used the cod-liver oil in feed for young chickens and greasing my boots, and gave the most of the whisky away. I am now (three years after my arrival hore) enjoying axcellent health. Respectfully yours,

ber BAYFIELD TO SUPERIOR CITY. On proceeding from Bayfield, west-ward, the steamer passes round Point de Tour, ten miles north, and soon enters Fond du Lac, a noble bay situated at the head of Lake Superior. It may be said to be 60 miles long and 20 miles wide, abounding in good fishing-grounds, as does the neighborhood of the Tweive Apostles.

The Group of Islands known as the "Twelve Apostless" are designated by the following names:

tent engineers, is sufficient to make the harbor of Superior, what it was by nature designed to be one of the finest harbors on the continent; it is eight miles in length and three-fourths of a mile in width, affording a sufficient depth of water for the largest class of Lake steamers. Standing at the west end of Lake Superior, 30 miles west of Bayfield, 160 miles north of St. Paul, and 130 miles east of Crow Wing, on the Upper Misalisaippi; to both the latter places a railroad is being surveyed, and ere long will be completed. The Northern Pacific Railroad is also intended to terminate at this place, thus forming through lines of railroad from the mavigable waters of the Misalissippi and the Red River of the North, and from them to Puget Sound and the Pacific Ocean.

Superior was surveyed and laid out in

The Group of Islands known as the "TWELVE APOPTLES," are designated by the following names:

Inc. or Michigan. Ironwood.
Madeline. Otter.
Sugar, or Basswood. Rock.
Cap. Two Islands.
Oak. Bear. [house].
Outer. Raspberry (Light-Presque Isle. York. Manitou.
Ettle Fishing. Cat. Eagle. Steambost. Stea

The boating and carrying business at Superior, and along the North Shore, is mostly performed by Indians and half-breeds, who usually cen be hired at from two to three dollars a day; the charges usually corresponding to the standing or appearance of the party requiring their assistance. After an agreement is mide they naually want an advance of wages, on one pretext or another, but almost invariably for the purpose of procuring whisky, which, if compiled with, generally ends in their getting intoxicated, when a delay of a day or two is necessary to give them time to become sober. Often threats have to be made in order to make them faithful by telling them that the party they are serving in a "mighty great man," and that if they get drunk and deceive him he will never allow them to come back alive.

**Due Eastle, Minu., the county seat of St. Louis County, is advantageously situated on the north side of Lake Superior, at the base of Minnesota Point, being seven miles from the City of Superior, at the base of Minnesota Point, being seven miles from the City of Superior, at the base of Minnesota Point, being seven miles from the City of Superior, at the base of Minnesota Point, being seven miles from the City of Superior, at the base of Minnesota Point, being seven miles from the City of Superior, at the base of Minnesota Point, being seven miles from the City of Superior, at the base of Minnesota Point, being seven miles from the City of Superior, the mouth of the Cloquet River, you rest upon the mouth of the Cloquet River, and Big White-face River. Three or four miles below the mouth of the cloquet River, you can be upturned edg.s of the siste that underlie this whole region. For six miles this character of rapide continues, miles this character of rapide continues, and shoul 100 inhabitants. It is the point designated in the charter as the terminus of the Lake Superior and Minnesota Point Revenue and Lake Superior and passes ground the west end or an extensive range that extend so the northeast, forming the summit of the trap ranges terminus of the Lake Superior and Mississippi Railroad. A stone quarry is worked at this place producing building atone of a good quality.

Mississippi Railroad. A stone quarry is worked at this place producing building atone of a good quality.

Mississippi Railroad. A stone quarry is worked at this place producing building atone of a good quality.

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Mississippi Railroad. A stone quarry is worked at this place producing the continuation of the trap range of the trap range and mississippi place or into fine at the continuation of the trap range and the class superior. This range of hills affords a vast end of the trap range and the class as the quarry is well at the continuation of the trap range and the class as the producing the summit of the trap range and the class as the quarry is well at the continuation of the trap range at miles below the foot of Capacita Rapidos flats, valuable for roofing purposes, and after widening to the did not a number of slate, below, containing a number of slate islands thickly wooded, for a distance, of a couple of miles it contracts again, gathering all its force for its final runh down the Grant Rapidos fraila, to a level with Lake Superior. Here, in a course of eight miles by the atream, the fall amounts to about of the miles of the country of the summit of the trap range and the coast range and the coast range and the coast range of trap on the north shore of Lake Superior, draining the summit of the summit of the trap range and the coast range e in from all points of the the southeast, and uniting the junction of the Cloquet, the junction of the Cloquet, utary of no mean dimeairrating repids and placid; through siluvial bottom
we in character and picearance. No settlementais quiet stiliness, and the
cocasional rapid or the
naient voyageur. It rises
of its mouth, in Sevenits general course being
then south and southeast,
75 miles in length. Its its general course being then south and southeast, 75 miles in length. Its aries are Upper Embarrass od River, and Big Whitehree or four miles below to Cloquet River, you result he Grand Rapids. Here are piled up in the channel, gics' indications, rest upon edges of the siate that whole region. For six racter of rapids continues, the east end of a range of ar to bear nearly westerly, sweep to the westward, it the west end of an extensive the west end of an extensive the cast end of an extensive to the increase, and the same of hills affords a vast explorer and mineralogists as below the foot of Grand er rushes between perpen-

es below the foot of Grand or rushes between perpenf slate, valuable for roofing after widening to the dismall lake, below, containof slate islands thickly distance of a couple of octs again, gathering all its lost again, gathering all its rush down the Grand at the sum a course of eight miles, the fall amounts to about feet. At every point you

are in sight or hearing of the neverceasing roar of rapids, and the thundering to
falls and cascades. From Fond du Lac
to the City of Superior, 22 miles, the river
affords good navigation.
"Orsorta, Minn, is situated on the
west side of St. Louis Bay, eight miles
above the City of Superior. Here is a
steam saw-mill, a planing mill, a public
house, a store, and about 200 inhabitants.
Steamers of a large class can ascend to
this place in asfety; the bay being an
expansion of the St. Louis River.
"Fond du Lac, Minn, situated at
the head of navigation on St. Louis River,
20 miles above the City of Superior, is
one of the oldest settlements in the
vicinity of Lake Superior. The American
Fur Company here had its head-quarters,
and is now the payment ground of the
Chippewa Indians living westward. It
how contains about 100 inhabitants and
is no doubt, destined to become a place
of considerable importance. Within 10 now contains about 100 inhabitants and is, no doubt, destined to become a place of considerable importance. Within 10 miles of Fond du Lac are two extensive slate of superior quality are being mined and exported. Here are a succession of falls in the river of about 60 feet descent, affording an immense water-nown.

about 30 miles distent, and the outline of the high ranges south of the lake, from the Porcupine Mountains to Fond du Lac. "The Fall, Gorge, and Arch, on Spirit River, are a combination of the freeks of nature. Here are a succession of fails and rapids; within forty or fifty yards the water fails a distance of 78 feet. At the mouth of the river an arch has been cut through the Amyudaloidal beds. on cut through the Amygdaloidal beds, on

the mouth of the river an arch has been out through the Amygdaloidal beds, on the left side, through which the river enters the lake, when its mouth becomes blocked up by sand and gravel during the prevalence of storms.

"The Falls, Gorge, and Potholes of Kawimbash or Temperance River. So called owing to there being no bar at its entrance, thus affording a good boat harbor. The Upper and Lower Falls, about half a mile distant, are of the most interesting and romsuic character. The Lower Fall is composed of two perpendicular pit hes, presenting an almost unbroken sheet of water, about 30 feet descent, being about 200 feet from the Lake abore."—Owen's Geological Report.

Tourists desirous of visiting the North Shore for fishing or pleasure are advised to procure the services of experienced souggeurs, who can be most conveniently presented at the City of Singalor at the City of Singalor at

Shore for fishing or pleasure are advised to procure the services of experienced affording an immense water-power.

NORTH SHORE OF LAKE SUPERIOR.

The natural objects of interest on the North Shore of Lake Superior almost viewith the Pictured Rocks of the South Shore. The Great Palisades, between Beaver Bay and Baptism River, are a fremarkable formation. "The rock rises from the margin of the lake to the height of over 300 feet, presenting perpendicular columns from sixty to one hundred feet high, and from one to six feet in dismeter. It is almost entirely detached from the main land by a ravine, through which Palisade Creek comes from the westward. From the top of this rock a magnificent view was afforded of the Apostle Islands

Pec	Ocean.
Lake Superior	600
Summit of Grand Portage,	
Summit of Sandy Lake Portage, Messabi Range, head St. Louis	1,400
River,	1,750
Summit, 18 miles south of Superior	
City,	1,750
Trap Range, 9 miles above the	
Falls of St. Croix River,	1,076
Mississipi River, above Falls of	
St. Anthony,	778
Ditto, mouth of Crow Wing,	
Ditto ditto Good Tales	
Ditto, ditto Sandy Lake,	1,253
Ditto, Pokegama Falls,	1,340
Ditto, Casa Lake,	1.400
Itasca Lake,	1,340 1,400 1,532
4.*	3,000

CLIFFON, St. Louis Co, Minn., situated 11 miles. N. E. of the head of Lake Superior, is a new settlement. In the vicinity are rich copper mines and good farming lands.

BUCHANAN is another new settlement, situated northeast of Clifton, possessing similar advantages.

LITTLE AGATE BAY, 35 miles from Superior, is a beautiful sheet of water where are found large quantities of Agate.

Agate.

Burningron is a new settlement, situ-

rupted cance navigation—thus facilitating lts entrance into the lake, are falls afford-travel through this whole region of ling fine water-power. Cliffs of green-stone are to be seen, rising from 200 to 300 feet above the water's edge, presenting a handsome appearance. To the north of Encaphenet, along the lake shore, abound porphyry and greenstone. This locality is noted for a great agitation of the magnetic needle; the depth of water in the ocean.

Lake Superior. 600
Summit of Grand Portage. 1,066
Summit of Grand Portage. 1,066

blove the water.

Hiawarna is another new settlement, situated on the west shore of Lake Suerior, where are found copper ore and ther valuable minerals, precious stones,

BEAVER BAY, on the N. leke shore, at the mouth of Beaver River, affords a

at the mouth of Beaver River, affords a good harbor, where is a small settlement. Grand Portace, Minn., advantageously situated on a secure bay, near the mouth of Pigeon River, is an old station of the American Fur Company. Here are a Roman Catholic Mission, a block-house, and some 12 or 15 dwellings. Mountains from 800 to 1,000 feet are here seen rising abruptly from the water's edge, presenting a bold and sublime appearance.

PIGRON BAY and RIVER forms the northwest boundary between the United States

PIGEON BAY and RIVER forms the north-west boundary between the United States and Canada, or the Hudson Bay Compa-ny's territory. Pigeon River is but a second-class stream, and by its junction with Arrow River continues the boundary through Rainy Lake and River to the Lake of the Woods, where the 49th degree of north latitude is reached. The mouth of Pigeon River is about 48 degrees north latitude, and 89 degrees 30 minutes west from Green wich.

Along the whole west shore of Lake Superior, from St. Louis River to Pigeon River, are alternations of metamorphosed schists and sandstone, with volcanie grits

Along the whole the Agete Say.

ENGAMPMENT is the name of a river, island, and village, where is a good harbor, the mouth of the river being protected by the island. On the river, near

to the lake, are falls affordr-power. Cliffs of greense seeu, rising from 200 to
the water's edge, presenting
pearance. To the north of
long the lake shore, abound
greenstone. This locality
great agitation of the magthe depth of water in the
great for vessels to anchon;
ng remarkably bold, and in
ing from 800 to 1,000 feet
r.

s another new settlement. west shore of Lake Su-ere found copper ore and minerals, precious stones,

r, on the N. lake shore, of Beaver River, affords a where is a small settlement. ACE, Minn., advantageously ecure bay, near the mouth ver, is an old station of the ver, is an old station of the Company. Here are a Ro-dission, a block-house, and iwellings. Mountains from set are here seen rising ab-owster's edge, presenting lime appearance. and RIVER forms the north-

between the United States

the Hudson Bay Compa-Pigeon River is but a ream, and by its junction ver continues the boundary Lake and River to the Lake where the 49th degree of s reached. The mouth of s about 48 degrees north 9 degrees 30 minutes west

whole west shore of Lake St. Louis River to Pigeon nations of metamorphosed lstone, with volcanic grits dded traps and porphyry, rising from 800 to 1,200

feet above the lake, often presenting a United States and the British Pos

grand appearance.

Ista Royalz, Houghton Co., Mich., being about 45 miles in length from N. E. to S. W., and from 8 to 12 miles in width,

to S. W., and from 8 to 12 miles in width, is a rich and important island, abounding in copper ore and other minerals, and also precious stones. The principal harbor and only settlement is on Siskowit Buy, being on the east shore of the island, about 50 miles distant from Eagle Harbor, on the main shore of Michigan.

The other harbors are—Washington Harbor on the southwest, Todd's Harbor on the west, and Rock Harbor and Chippewa Harbor on the northeast part of the island. In some places on the west are perpendicular cliffs of green-stone, very bold, rising from the water's edge, while on the eastern shore conglomerate while on the eastern shore conglomerate rock or coarse sandstone abounds, with occasional stony beach. On this coast are many islets and rocks of sandstone. rendering navigation somewhat danger-ous. Good fishing-grounds abound all around this island, which will, no doubt, before many years, become a favorite summer resort for the invalid and sportsman, as well as the scientific tourist.
Siskowir Lake is a considerable body

SISKOWIT LAKE IS a considerable body of water lying noar the centre of the island, which apparently has no outlet. Other small lakes and picturesque inlets and bays abound in all parts of the island. Hills, rising from 300 to 400 feet above the waters of the lake, exist in many localities throughout the island, which is indented by bays and inlets.

(north latitude 48°), we find the eastern portion of the peninsula abounds with bold rocky cliffs, consisting of trap and

portion of the peninsula abounds with bold rocky cliffs, consisting of trap and red granite.

"The Falls of Pigeon River, eighty or ninety feet in height, are occasioned by a trap dyke which cuts through a series of slate rocks highly indurated, and very similar in mineralogical characters to the old graywacke group. Trap dykes and interlaminated masses of traps were observed in the slate near the falls.

"The base of nearly all the ridges and cliffs between Pigeon River and Fort William (situated at the mouth of Kaminise-quo River, the western boundary of Upper Canada) is made up of these slates, and the overlaying trap. Some of the low islands exhibit only the gray grits and slates. Wolcome Islands, in Thunder Bay, display no traps, although, in the distance, they resemble igneous products, the joints being more obvious than the planes of stratification, thus giving a rude semi-columnar aspect to the cliffs.

"At Prince's Bay, and also along the chain of Islands which lines the cores, including Spar, Victoria, and Pie islands, the slates with the crowning traps are admirably displayed. At the British and North American Company's works the slates are traversed by a heavy vein of cele-spar and amethystine quarts, yielding gray sulphuret and pyritous copper and galena. From the vein where it cuts the overlaying trap on the main shore, considerable silver has been extracted.

"At Thunder Cape, the slates form one of the most picturesque headlands on the

Northern Shore of Lake Superior. They are made up of variously colored beds, such as Cuprior Country, by FOSTER and WHITNEY: WHITNEY:

NORTHERN SHORE.—"Beginning at with a sheet of trappean rocks three hunPigeon Bay, the boundary between the dred feet in thickness.

Logan, for about seven miles on each side of the Old Pick River. Near Otterhead a guelssoidal rock forms the coast, which presents a remarkably regular set of atrata in which the constituents of alenite are arranged in this about and in a highly arranged in thin sheets and in a highly crystalline condition. From this point to the Michiplotten River the slates and granite occupy alternate reaches, along the coast, for the distance of fifty miles.

With the exception of a few square miles of the upper trap of gargantia, these two rocks appear to hold the coast all the way to the vicinity of Points aux Mines, at the extremity of which they separate from the shore, maintaining a nearly straight south-casterly line across the Batchewanung Bay, leaving the trap of Mamainse between the and the lake. Thence they reach the north and the lake. Thence they reach the north-ern part of Goulais Bay, and finally attain the promontory of Gros Cs: where they constitute a moderately bold range of hills, running eastwardly toward Lake Huron.'"

Fisheries of Lake Superior.

Good fishing-grounds occur all along the north shore of Lake Superior, afford-ing a bountiful supply of white-fish, Mack-lase trout, and many other species of the finny tribe. On the south shore there are fisheries at White-Fish Point, Grand

· Canadian Report, 1846-'47.

"At I'Anse à la Bouteille (opposite the Slate Islands, on the north shore of Lake Superior) the slates reappear, with the granite protruding through them, and occupy the coast for fifteen miles; numerous dykes of greenstone, bearing east and Royaic, where large quantities are taken and exported; but there are no reliable statistics as to the number of men employed or the number of barrels exported. Between the head of Keweensw Point, and derive their name from their geological structure.

"They are next seen, according to Mr. Logan, for about seven miles on each side of the Old Pick River. Near Otterhead a gueissoidal rock forms the coast, which presentes a remarkably regular set of strata in which the constituents of alenite are of Isle Royale.

LAKE SUPERIOR TROUT-FISHING IN WIN-

LANE SUPERIOR TROUT-FISHING IN WISTER.—The Lake Superior Journal says:
"Angling through the ice to a depth of
thirty farhoms of water is a novel mode
of fishing somewhat peculiar to this peculiar region of the world. It is carrying
the war into fishdom with a vengeance,
and is denounced, no doubt, in the communities on the bottom of these northern
lakes as a scaly piece of warfare. The
large and splendid salmon-trout of these
waters have no peace; in the summer
they are enticed into the deceitful meshes
of the gill-net, and in the winter, when
they hide themselves in the deep caverns
of the lakes, with fifty fathoms of water they hide themselves in the deep caverns of the lakes, with fifty fathoms of water above their heads, and a defence of leos two or three feet in thickness on the top of that, they are tempted to destruction by the fatal hook.

"Large numbers of these tront are county to a support of the second and the second are county to the second and the second are the second and the second are the second and the second are second as the second as the second are second as the second as the second as the second are second as the second as the second as the second are second as the second as t

Caught every winter in this way on Lake T Superior; the Indian, always skilled in the fishing business, knows exactly where to find thou and how to kill them. The whites make excursions out on the lake whites make excursions out on the lake I in pleasant weather to enjoy this sport. There is a favorite resort for both fish and in fishermen near Gros Cap, at the entrance of Lake Superior, through the rocky gate it way botween Gros Cap and Point Iroquois, so about 18 miles above the Saut, and many, it Pictured Locks, Kewes a Pointe, and Apostles different stations on Isle large quantities are taken but there are no reliable but there are no reliable,
the number of mon emumber of barreis exported,
ead of Keweenaw Point,
of the Cutonagen Riven,
antities of fish are taken,
as a ready market at the
In addition to the white In addition to the winds inac trout, the siskowit is hen. Its favorite resort, deep water in the vicinity.

OR TROUT-FISHING IN WINo Superior Journal says:
cough the ice to a depth of
of water is a novel mode,
what peculiar to this pecuthe world. It is carrying shdom with a vengeance, sed, no doubt, in the com-bottom of these northern by piece of warfare. The adid salmon-trout of these o peace; in the summer I into the deceitful meshes and in the winter, when selves in the deep caverns ith fifty fathoms of water ads, and a defence of ico. et in thickness on the top here tempted to destruction

abers of these trout are inters of these troit are virter in this way en Lake I Indian, always skilled in liness, knows exactly where ad how to kill them. The excursions out on the lake I ather to enjoy this sport in rite resort for both fish and or, through the rocky gate in ros Cap and Point Iroqueis, o above the Saut, and many is a large trout, at this point, is pulled up from its warm bed at the bottom of the lake, in winter, and made to bite the cold interest to those connected with the lake, in winter, and made to bite the cold of interest to those connected with the late in this upper world. To see one of these fine fish, four or five feet in length, and weighing half as much as a man, floundering on the snow and ice, weltering and freezing to death in its own blood, oftentimes moves the heart of the fisherman to expressions of pity.

The modus operands in this kind of great trout-fishing is novel in the extreme, and could a stranger to the business over.

Example 1 John Jacob Astor. We have compiled the following table, which will be found in its own blood, the support trade:

Name of Vessellest.

Schooner Merchant. ... \$4,000 | 1847 |
Steamer Ben Franklin. 118,000 | 1850 |
Schooner Siskowit. ... 1,000 | 1850 |
Steamer Albany. ... 30,000 | 1850 |
Steamer E. K. Collins. ... 100,000 | 1850 |
Steamer E. K. Collins. ... 100,000 | 1850 |
Steamer Beltimore. ... 18,000 | 1850 |
Steamer E. K. Collins. ... 100,000 | 1850 |
Steamer Beltimore. ... 18,000 | 1850 |

and could a stranger to the business over-look at a distance a party engaged in the sport, he would certainly think they were mad, or each one making foot-races against time. A hole is made through the ice, smooth and round, and the fisherman drops down his large hook, baited with a small herring, pork, or other meat, and when he ascertains the right depth, he waits-with fisherman's luck—some time for a bite, which in this case is a pull all together, for the fisherman throws the line over his shoulder, and walks from the hole at the top of his speed till the fish bounds out on the ice. We have known of as many on the ice. We have known or as many as fifty of these splendid trout caught in this way by a single fisherman in a single day: it is thus a great source of pleasure and a valuable resource of food, especially in Lent, and the most scrupulous anti-pork helievers might here 'down pork and up dah' without any offence to conscience."

List of Vessels Lost in the Lake Superior Trade.

Since the discovery of copper in the Upper Peninsula, in 1845, and the commencement of the Lake Superior steamer and vessel trade, many craft engaged in the trade have been lost. Previous to the discovery of copper, there was no other trade but that in furs, and one of the fur-trading vessels was lost—the

1	Name of Vessel lost. Value.	Vales Cargo.	Yes
ı	Schooner Merchant \$4,000	\$2,000	184
1	Propeller Goliath 18.000	16.000	184
1	Steamer Ben Franklin 15.000	4.000	180
1	Propeller Monticello,80,000	10,000	185
d	Schooner Siskowit 1,000	600	
ų	Propeller Independence. 12.000	18,000	185
	Steamer Albany 80,000	2,500 ta.	185
8	Propeller Peninsnia18.000	18,000	185
1	Steamer E. K. Collins100,000	1,500	185
Į	Steamer Baltimore 15,000	4.000	185
J	Steamer Superior15,000	10,000	165
1	Propeller B. L. Webb 50,000	15,000	185
•	Propeller City of Superior.50,000	\$2,000	185
1	Propeller Indiana 8,000	2,500	185
1			

making a grand total of \$491,000.

Since the above Table was compiled the fellowing losses have occurred in the Lake Superior trade:

Steamer Arctic, wrecked on Lake Superior trade:

rior, June, 1860. Steamer Gazelle, wrecked on Lake Superior, 1860.

perior, 1860.
Steamer Elgin, lost on Lake Michigan,
September 7, 1860.
Steamer North Star, burnt at Cleveland,
February, 1862.
Steamer Sunbeam, lost in a gale on
Lake Superior, August 28, 1863.
Pewabic, sank in Lake Huron, August
9, 1865, forty lives lost.
Lac la Belle, sunk in St. Clair River,
November, 1866.

November, 1866.

Steamer Cleveland, lost in 1866.

Steamer Traveler, lost in 1886.

The loss of life by the accidents given above is, as near as can be ascertained, as follows:—

a	TOLIOWS . THE PROPERTY OF THE PARTY OF THE P
	Schooner Merchant
	Propeller Independence 8
	Steamer E. K. Collins 20
	Steamer Superior 54
	Steamer Lady Elgin350
÷	Steamer Sunbeam 35
	Propeller Pewabie 40

NAVAL VESSELS ON THE LAKES.

MISSISSIPPI AND LAKE MICHIGAN CANAL.

A Raport has recently been made in ralation to the practicability, cost, and military and commercial advantages of opening a passage for gunboats and armed vessels from the Mississippi to the Hillinois River, and enlarging the Illinois nud Michigan Canal. The following is an extract from the above Report:

"The Great Lakes and the Mississippi River are among the grandest features of the geography of the globe. Their names are at once suggestive of commercial and agricultural wealth and national greatness. No such systems of internal navigation exist elsewhere in the world. The most careful and accurate statements of their present uses for commercial purposes are truly wonderful, while the magnificent future to which onlightened nificent future to which onlightened enterprise may lead, tasks the strongest

imagination.
"The Mississippi system of navigable waters is variously estimated at from 10,000 to 20,000 miles. Its numerous 10,000 to 20,000 miles. Its numerous ramifications penetrate a country of unrivariad fertility, and in many parts abounding ln useful metals. On the Lakes, we have a coast of 3,500 miles. Their commerce is estimated at the value of \$400,000,000, 'in articles of prime necessity to the inhabitants of the Eastern States, and to our foreign commerce.' That of the Mississippi, in peaceful times, is supposed to equal this. It is the union of these two mighty systems that we contemplate in the proposed improvement. "For this purpose no other route exists comparable to the line now proposed, in the economy of cost of the improvement, or in general utility. It is one of nature's

or in general utility. It is one of nature's highways—one of the lines which she

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gan.

be supplied with water Irc. Lake Michigan, Chicago to Lockport, 29 miles. The estimated coat of earth and rock excavation on the summit level from Chicago to Lockport, with walls on both sides 10 feet through the earth, 18.

Lockport to Lasallo, 67 miles:

The estimated coat of canal to Lake let, and short canals at 16 locks, walled on both sides; also six stone dams, 600 feet long, oleven canal and five river locks, abead 320 feet long and 70 feet wide—making 188 feet of lockage between Lockport and Lasalle—is Lasalle to the Mississippi River, 230 miles:

The coust of seven tree and orth dams, 300 feet long, and tone hocks, 300 feet long, and 10 feet wide, with enbattments; also seven at the substiments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, with enbattments; also seven tree and erth dams, 100 feet vide, 100

Total...... \$18,846,894

ES.

the guidance of the great ements of the race, and by sphy foretells the march of aboriginal savage travelled, and now educated intelli-d no better place for com-niting lines of travel and up half a continent."

a Ship and Stemboat Canal bitters to the Illinok Biyar

chigan to the Illinois River, vement of the Illinois River ippi River; the canal to be on the bottom, sides pro-one walls 10 feet high; the r locks to be 350 feet long wide, with depth of water ass steamboats and vessels leet of water; the canal to the water from Lake Michi-

ekport, 29 miles.
out of earth and rock
the summit level from
ockport, with walls on
feet through the earth,

cet through the earth, ar,093,709 as alle, 67 miles; cost of canal to Lake ort canals at 16 locks, a sides; also six stone long, deven canal and a, vacil 80 feet long and making 188 feet of lock-ockport and Lasulle—is 4,081,092 Miselseippi River, 220

the cribs to be filled datone abutments; also beks. 850 feet long, and with entrances prosuring a depth of water pass the largest class at vessels drawing six

1,645,000 \$18,846,894 The Lakes-Land of the Free.

The Lakes—Land of the Free Columbia's shores are wild and wide, Columbia's Lakes are grand, And rudoly planted aide by side, Her forests meet the ays; But narrow must those shores be made, And low Columbia's hills, and low her ancient forests laid; Ere freedom leaves her fields; For 'tis the land where, rude and wild, the played her gambols when a child. The columbia was a child of the played her gambols when a child. The columbia has a different her in the columbia but a hord a trans-Atlantic best Politic our witers fair, we'll meet them on the rooky coast, And gather laceris there; For O, Columbia's sons are brava, and reas as cosen's wildest wave. And ree as ocean's wildest wave. The gale that waves her mountain pine is fragrant and serone, and never brighter am did shine Than lights her valleys green; But putrid must those breazes blow, The suu must est in gore, Ere footsteps of a foreign foe Imprint Columbia's shore; For O, her ones are brave and free, Their breasts bent high with Liberty.

The Land of Lake and River.

Composed by Dr. Laycock, of Woodstock, C. W.—A CANADIAN SONG.

The Land of Lake, Elver, and Forest wide,
Where Mearar plunges in splender and pride
O'er the trembling sliffs her precipitous tide;
Know ye the land?
The a glorious land?
200,57 And the land is our own dear home

\$ 130 mm g 6 1

The land which nor Arts nor Industry graced, Where the bountiful seasons ran sil to war e. T il the Brition the Savage and Sluggard dis-placed;

Know ye the land, &c.

The land where the Saxon, the Gaul, and the Celt, The first glow of patriot brotherhood felt, And forgetting old feuds in amity dwolt; Know ye the land, &c.

The land unpolluted by Despot or Slave, Where justice is done on the Dastard and Knave, Where honor is paid to the Wise and the brave Know ye the land, &c.

The land where the Teacher is housed and sought;
Where the Schools are all busy, the children all taught;
Where the Thinker, unfettered, can utter his thought;
From To the land Ac Know ye the land, &c.

The land where the Farmer is Lord of the Soil, Where the Toller himself respe the fruit of his

Where none has a Title his neighbor to spoil;
Know ye the land, &c.

The land where the Christian can openly pray, As Scripture and Conscience may show him the way.

Fearless of cierical tyrant or lay;

Know ye the land, &c.

The land which, the older and stronger it grew, To Law and to Loyalty still kept more true, Both to Prince and to People according their due;

Know yo the land?
"Tis e glorious land!
And the land is our own dear hom

Showing the Latitude, Longitude, Altitude, Temperature, etc., of the Principal Cities and Ports on the American Side of the Great Lakes.

a par _ live religion to the state of A

			١. ا	. 8	Four Seasons, "Hall H			
Crrims, etc.	Lettride	Longitude.	Altitude.	Tearly Mean.	Spring.	Summer.	Autama.	Ir T N Var Car
LAKE ONTARIO.			Ft.	·Fahr.	'Fahr.	'Fabr.	·Fahr.	·Fahr.
Sacket's Harbor, N. Y Oswego, Charlotte, Fort Niagara,	43° 55′ 43° 20′ 43° 12′ 43° 16′		250 250 250 250		42.49 43.70 43.72 41.38		50.40 50.77	27.86
LAND ERIE.								4 7A
Buffalo, N. Y	41° 30′ 41° 45′ 41° 43′	81° 47′ 83° 36′	600 600 565 565 580	49.70 50.00 49.23	46.84	67.56 69.86 71.00 71.00 69.30	51.97 52.00 51.33	30.00 29.00 28.62 28.17
LAKE HURON.					. 17	" ., t	,;	· · · · · · · · · · · · · · · · · · ·
Port Huron (St. Clair R), Mich. Tawas City, Mich Fort Mackinac, " Green Bay (Green B.), Wis.	44° 15′ 45° 51′		590 700	41.00	37.22	67.00 65.15 62.00 68.50		24.61 18,30 20,00
LAKE MICHIGAN.			1				p 50	Der Pren
Grand Haven, Mich Milwaukee, Wis Chicago, Ill Michigan City, Ind	41° 52'	86° 10′ 87° 55′ 87° 36′ 86° 53′	600 590	46.00 47.00	44.59 42.89 45.00 46.00	68.62 67.08 68.50 70.00	49.56	26.62
LAKE SUPERIOR.			1			,		1 oP
Saut Ste. Marie, Mich Marquette, " Copper Harbor, " Ontonagon, " Bayfield, Wis	46° 30′ 46° 32′ 47° 30′ 46° 52′ 46° 45′	84° 43′ 87° 41′ 88° 00′ 89° 30′ 91° 00′	630 620 600 620	41.50 41.00 40.00	38.30 38.47 37.00	62.60	43.64 43.84 42.96 42.86 43.00	
Luperior City, Wis	46° 40'	92° 03′	600	40.00	38.00	63.00	42.50	14.60

LAKE SUPERIOR,

Its Bays, Harbors, Islands, Tributaries, &c.

er he a language of A'

CPERATURE, ETC., OF THE

Four Seasons.

42.49 67.32 50.58 24.80 43.70 67.00 50.40 24.72 43.72 68.46 50.77 28.56 41.38 67.20 50.00 27.86

43.60 67.58 50.14 27.80 46.84 68.86 51.97 30.00 47.00 71.00 52.00 29.00 46.22 71.00 51.33 28.62 45.94 69.30 49.81 28.17

43.68 87.00 49.00 25.60 37.22 65.15 47.06 24.61 38.70 62.00 43.54 18.30 43.52 68.50 46.00 20.00

44.59 68.62 49.56 26.62 42.89 67.08 48.34 25.00 45.00 68.50 49.00 26.00 46.00 70.00 50.00 28.00

37.60 62.00 43.54 20.00 38.30 63.10 43.84 20.00 38.47 60.90 42.96 21.78 37.00 62.60 42.88 17.85 38.00 63.00 42.50 14.60

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OBJECTS OF INTEREST ON THE SOUTH SHORE.

OBJECTS OF INTEREST	on the South Shore.
#MT =	
Miles.	Miles.
Saut Ste. Marie, Mich. N.	Portage Entry and Light (West), . 245
lat. 46°30', W. long. 84°43'.	Portage Lake, 6-251
Head of Ship Canal and Rapids, 1	HOUGHTON, † N. lat. 46°40', W.
Round Island and Light 6-7	long. 88°30′ 8-259
Waiska Bay, 2-9	Hancock,† 1-260
Iroquois Point and Light. 7—16	Head of Portage Lake (8 miles), 268
	Heart of Lottage Days (c much)
	Manager taland Acm Doutogo
	Traverse island from Portage Entry
Carp River, 2060	
Two-Heart River, 6—66	
Sucker River, 12-78	Lac La Belle, and Bete Grise Bay 14-281
Grand Maraia River, 12-90	Mount Houghton (900 feet high).
Grand Sauble, 300 feet high, 10-100	Montreal River (Fishing Station), 6-287
Cascade Falls, 100 feet, 18-118	Koweenaw Point, 8-295
The Chapel 2-120	Manitou Island and Light 8-298
Arched Rock, or Grand	COPPER HARBOR, N. lat. 47°30',
Portail, Pictured 4-124	W. long. 88° 10-308
Sail Rock, Rocks. 2-128	Agate Harbor, 10-318
The Amphitheatre, 2-128	Eagle Harbor + and Light, 6-324
Miner's Castle, & River, 3-131	EAGLE RIVER + N. lat. 47°25',
Grand Island and Harbor, 3-134	W. long, 88'20', 9-333
Munising, and Iron Works, 2-136	Entrance to Ship Canal & Portage
Au Train Point 7-143	Lake Route, 20-353
	Salinon Trout River, 8-366
	C. C
Harvey, Mouth Chocolat River, 12-167	
STANGOUTE : AND INGILL AT- MA	
0.46°32′, W. long. 87°41′ 8-170	Cacoping 2011 City Color
Dead River, 2-172	Flint Steel River, 6-391
Presque Isie, 1-173	ONTONOGAN, N. lat. 46°52', W.
Middle Island, 2-175	long. 89°30' 9-400
Granite Point and Island, 5-180	Iron River, 11-411
Garlio River, 8-188	Porcupine Mount'ns, 1,300 ft. high, 8-419
Little Iron River, and Lake Inde-	Carp River, 10-429
pendence	Presque Isle River, 6-435
Salmon Trout River 8-206	Black River 6-441
Pine River and Lake 6-212	Montreal River boundary between
Huron Islands and Light, 10-222	Michigan and Wisconsin, 20-461
Huron Bay, 6-228	Markeg, or Bad River, 10-471
Point Abbaye, 4-232	Chawawegon Point, Bay, & Light, 11-482
Keweenaw Bay (13 miles wide).	Ashlane, Wisconsin head Chaw-
L'Ance, and Settlement (South), 13-245	
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LAKE SUPERIOR-OBJECTS OF INTEREST.

Miles. 18. 24 4 2 4 Miles.

La Pointe, Madeline Island, 3-485 (The Twelve Apostle Islands). BAYPIRID, Wisconsin, N. lat. 46°45', W. long, 91°3', 3-488 Basswood Island, 4-495 Raspberry Island, and Light, 6-501 York Island, 4-505	Burnt Wood River, 10-545 Poplar River, 9-554 Cotton Wood River, 4-558 Amican River, 2-560 Mouth Nemadje, or Left Hand River, (Allouse Bay), 3 2 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Fishing Island, 4-509 Bark Bay and Point, 10-519 Apakwa, or Cranberry River, 6-525 Iron Tiver, 10-535	Simesota Point and Light, 1-568 Superior City, Wisconsin, N. Lieb lat, 46°40', W. long, 92°. 2-870
64)	Shipping Ports for Copper. 10 ton protect
	on the North Shore. he is is '
Milea Mile	FORT WILLIAM, Canada, N. lat. 48°23′, W. long. 89°27′, Thunder Bay, 30 miles long. Thunder Cape, 1,350 feet high, Foint Porphyry, Sattrance to Neepigon Bay, Solvent grace Island (Silver and Copper Mines), Copper Mines), 10-220 Slate Islands, Solvent and Larbor, 10-220 Slate Islands, 10-230 Slate Islands, 30-250 Pic Island, Head and Cove, 8-273 Pic River and Harbor, 10-283 Otter Island, Head and Cove, N. lat. 47°56′, W. long. 85°06′ 45-383 Kichipicoten, Harbor and River, N. lat. 47°56′, W. long. 85°06′ Leach Island, 25-409 Leach Island, 45-383 Montreal Islands, 6-426 Montreal Island and River, 4440 Mica Bay (Copper Mine), Mamainso Point, 6-466 Batchewanaung Bay (Fishing St'n) 10-476 Saciy Ielands, 480 Mapla Island, 480
Pigeon River, boundary between the United States and Canada, 10–120 Pie Island, 700 feet high, 20–140 Welcome Island, 7–147 Mouth Koministiquia River.	Goulois Bay and Point, 8-495 Parisien Island, 5-500 Gros Cap, 700 feet high, 10-510 Point Aux Pins, 7-517 Saut Ste, Marie, Canada, 8-525

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8),	10-220
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bor,	8-273
Harbor,	10-283
lead and Cove, sland, 800 ft. h	, 30-313
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d and River,	14 440
per Mine),	14-440
her wrine?	20-460
g Bay (Fishing S	6-468
g Day (Franing S	t'n) 10-476
	4-480
	7-484
d Point,	R496
h	5-500
feet high,	10-510
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l arie, Canada,	8-525
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Miles.

39 Trip along the North Shore of Lake Superior,

g | p - t - | c

MADE ON BOARD THE CANADIAN STEAMER PLOUGHBOY, AUGUST, 1869.

On leaving the mouth of the Ship Canal, above the Rapids at the Saut Ste. Marie, a beautiful stretch of the river is passed and Waiska Bay entered, which is a small settlement of miners. Here is a good harmonic frequest, on the south shore, 15 miles and rising abruptly to the height of 800 feet, presenting a rugged appearance. Car, on the Canada side, being about four miles asunder. This bold headland consists of hills of porphyry rising from 600 to 700 feet above the waters of the lake. "Gros Cap is a name given by the voyageurs to almost innumerable projecting headlands; but in this case appropriate—since it is the conspicuous feature at the entrance of the lake."

Moytersal Islamp, and River, 20 miles morth of Gros Cap lies GOULAIS BAX, and GOULAIS POINT, another bold highland which is seen in the distance. Governote the service of the lake. "Lexal Islamd and Leach Islamd, some

North of Gros Cap lies Goullas Bax, and Goullas Point, another bold highland which is seen in the distance. Goullas Roint, another bold highland which is seen in the distance. Goullas River enters the bay, affording, in connection with the adjacent waters, good fishing-grounds; the brook or speckled trout being mostly taken in the river. Here is a large Indian settlement of the Chippews tribe. The whole north shore, as seen from the deck of the steamer, presents a bold and grand appearance, while in the distance, weatward, may be seen the broad waters of Lake Superior.

Taquamenon Bax is next entered, which is about 25 miles long and as many broad, terminating at White-Fish Point, 40 miles above Saut Ste. Marie. Paristen Island is a safe anchorage, being surrounded in passed 40 miles from the Saut, lying on tiguous to the mainland. Michipicoten the distance is about 30 miles. Michipicoten the distance is abo

an immense region of country, extending northward to the arctic regions, and west-ward to the Pacitic Ocean.

ward to the Pacific Ucean.

MICHIPPICOTEN ISLAND (the Leland of Knobs or IN."), 65 miles from Mamainee Point in a direct course, running in a northwest direction, lies about 40 miles northwest direction, lies about 40 miles wost of Michipicoten Harbor. This island, 15 miles in length and 6 miles wide, may be called the gens of Lake Superior, presenting a most beautiful appearance as approached from the southward, where a few picturesque islands may be seen near the entrance to a safe and commodious harbor, which can be entered during all winds. Nature seems to have adapted this island as a place of resort for the seekers of health and pleasure. Within the bay or harbor a beautiful cluster of islands adorns its entrance, where may be found agates and other precious stones; while inland is a mest charming body of water, surrounded by wooded hills rising from 300 to 500 fect above the waters of Lake Superior. The shores of the island abound with g.eenstone and amygdaloid, abound with g.eenstone and amygdaloid, while copper and silver mines are said to this section. The fisheries here are also valuable, affording froutable employment to the hardy fisherman of this region. As yet, but one single shanty is erected on the shores of this romantic islend, where, sooner or later, will flook the wealthy and beautiful in search of health and recreation, such as are afforded by pure air, boating, fishing, and hunting. abound with g.eenstone and amygdaleid,

are afforded by pure air, boating, flahing, and hunting.

The fish mocity taken in this part of the lake are white-fish, siskowit, Mackinae trout, and speckled trout, the former being taken by gill-nets.

On the mainland are found the carabou, a large species of deer, bears, foxes, otters, beavers, martins, rabbits. partridges, pigeons, and other wild game. The barberry, red raspberry, and whortleberry are also found in different localities.

CARIBOU ISLAND, lying about 25 miles south of Michipicoten, near the middle of the lake, is a small body of land attached to Canada. It is usually passed in sight when the steamers are on their route to Fort William.

OTTER BAY, 25 miles north of Michipi-

SLATE ISLANDS are a cluster of great-interest, where is to be found a large and secure he rbor, lying north of the principal island of the group. To the north, on the mainland, are numerous bays and inlets affording safe harber. As yet, the wild savage of the north alone inhabits this section of Canada West, which no doubt is rich in minerals of different kinds. The Hudson Bay Company's wassels now af-Its rich in minerals of different kinds. The Hudson Bay Company's vessels now afford the only means of visiting titls interesting region, which can alone be brought into notice and settled by the discovery of copper or silver mines of value sufficient to induce capitalists to organize Mining Com-

COPPER REGION OF LAKE SUPERIOR—NORTH SHORE.

See Whitney's Metallic Wealth of the United States, Phila., 1854.

The North Shore of Lake [grior is

supposed to be very rich in m. al pro-ductions, although as yet but carlotted with the complete of the "Montreal Minin pany" have a mine which is n.

AND, lying about 25 miles picoten, near the middle of mall body of land attached is usually passed in sight mers are on their route to

25 miles north of Michipinutiful and secure body of rotected by an island at its re is a wild and rugged sec-, abounding in game of the

nd islands are found along not issues are found along beyond Otter Head, toward. Island, and said to be of he whole coast being bold seen from the water. At he Pic is situated a Hudson a Post.

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ON OF LAKE SUPERIOR-TORTH SHORE.

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worked to a limited extent at Mamainse Point, affording gray sulphuret of copper of a rich quality. The "Quebea and Lake Superior Mining Association" commenced operations in 1846 at Mics Bay, a few miles north of Mamainse, on a vein said to be rich in gray sulphuret of copper. An early frosts are the great hindrance to this whole section of country, which is sunk, and the 10-fathom level commenced of the gray sulphuret of the sunk, and the 10-fathom level commenced to the gray of the gray and first year of the gray o worked to a limited extent at Mamainse Point, affording gray sulphuret of copper of a rich quality. The "Quebec and Lake Superior Mining Association" commenced operations in 1846 at Mics Bay, a few miles north of Mamainse, on a veln said to be rich in gray sulphuret of copper. An adit was driven 200 feet, three shafts sunk, and the 10-fathom level commenced. After spending \$30,000 it was discovered that the mines were unproductive, and the works were abandoned.

""A number of localities were explored, and worked to some extent on Michipicoten Island and on the mainland to the

ten Island and on the mainland to the northward, but they are now nearly all abandoned. A surveying party, however, are now (1860) engaged in exploring the north shore of Lake Superior, under the authority of the Provincial Parliament, in order to be able to report in regard to the mineral region.

the mineral region.

The northwest borders of the lake, and in particular the Island of St. Ignace, Black Bay, Thunder Cape, Pie Island, and the vicinity of Prince's Bay are supposed to be rich in both copper and silver. Splendid crystallizations of amethystine quartz and calc spar have been obtained on Spar Island, near Prince's Bay, and at other localities.

FORT WILLIAM, an important Hudson Bay Company's Post, is advantageously situated at the mouth of the Kaministi studed at the mount of the Asministr-quia River, in north latitude 48 degrees 23 minutes, west longitude 89 degrees 27 minutes. Here is a convenient wharf and safe harbor, the oar off the mouth of the river affording 7 or 8 feet of water, which can easily be increased by dredging. The Company's buildings consist of a spacious dwelling-house, a store, and 3 storehouses, besides some 10 or 12 houses for the economication of the state of the seconomication. for the accommodation of the attachés ageur, and servants in the employ of the above gigantic company. The land is cleared scent.

this whole section of country, which is rich in minerals, timber, furs, and fish; altogether producing a great source of wealth to the above company. Pine, spruce, hemlock, cypress, and balsam trees are common, also white birch, augarmaple, elm, and ash, together with some hardy fruit-bearing trees and shrubs.

The Roman Cathotic Mission, situated 2 miles above the company's post, on the opposite side of the river, is an interesting locality. Here is a Roman Catholic church and some 50 or 50 houses, being mostly inhabited by half-breeds and civilized Indians, numbering about 300 souls. The good influence of the Roman Catholic priests, along the shores of Lake Superior are generally admitted by all unprejudiced visitors—the poor and often degraded Indian being instructed in agriculture and industrial pursuits, tending to elevate the human species in every clime.

McKay's Mountain, lying 3 miles west of Fort William, near the Roman Catholic Mission, presents an abrupt and grand appearance from the water, being elevated.

Mission, presents an abrupt and grand appearance from the water, being elevated 1,000 feet. Far inland are seen other high ranges of hills and mountains, prestning altogether, in connection with the islands, a most interesting and sublime

islands, a most interesting and sublime view.

KAMINISTIQUIA, or "Gah-mahnatekwas-ahk" River, signifying in the Chippewa language the, "place where there are many currents," empties its waters into Thunder Bay. This beautiful stream affords navigation for about 12 miles, when rapids are encountered by the ascending voyageur. Some 30 miles above its mouth is a fall of about 200 feet perpendicular descent.

THUNDER BAY presents a large expanse of water, being about 25 miles in length and from 10 to 15 miles wide, into which flows several small streams, abounding in speckled trout. Thunder Cape, on the east, is a most remarkable and bold high-land, being elevated 1,350 feet above Lake Superior. It rises in some places almost perpendicular, presenting a basaltic eppearance, having on its summit an extinct volcano. From the elevated portions of this cape a grand and imposing view is obtained of currounding mountains, headlands, and islands—overlooking Isle Royale to the south, and the north shore from McKay's Mountain to the mouth of Pigeon River, near Grand Portage, Minnesota.

PIE ISLAND, in the Indian dialect called Pre Island, in the Indian dialect called "Makhenceng" or Torkoise, bourding Thunder Bay on the south, is about 8 miles long and 5 miles wide, and presents a most singular appearance, being elevated at one point 850 feet above the lake. This bold eminence is shaped like an enormous slouched hat, or inverted pie, giving name to the island by the French or English explorers, while the Indians gave it the name of tortoise from its singular chape. This elevated point is basaltic, triping per-

a huge eagle, having on one side a wing and one paw, on the other side an arm and one foot. The lighting is supposed to issue from the extremity of the beak through the paw, with which they launch it forth in flery darts over the surrounding

through the paw, with which they makes the forth in fiery darts over the surrounding country."

Islack Bay, lying east of Thunder Cape, is 45 miles long, and from six to eight miles wide, being encompassed on both sides by high and lofty hills. Towards the morth are two peaked eminences termed the Mamelons or Pups, from their singular formation, resembling a female's breast, when seen at a distance.

Neptyon Bay is another romantic sheet of water, containing a number of beautiful wooded islands. It is about forty miles long and fifteen miles wide, being mostly surrounded by high and rocky eminences. Here the explorer, hunter, and angler may alike enjoy themselves with the wonders to of the surrounding scene. Copper, silver, lead, and precious atones are here to be found in abundance on the islands and the mainland; while there is no end to the

one point 850 feet above the lake. This bold eminence is shaped like an enormous slowched Act, or inverted pie, giving name to the island by the French or English explorers, while the Indians gave it the name of tortoise from its singular shape. This elevated point is besaltic, rising perpendicular near the top, like the Pulsades of the Hudson River.

Thunder Bay, and its vicinity, has long been the favorite residence of Indian tribes who now roam over this vast section of country, from Lake Superior to Hudson Ray on the north. The mountain peaks they look upon with awe and veneration, often ascribing some fabulous legend to prominent localities. A learned Missionary, in describing this interesting portion of Lake Superior and its inhabitarts, remarked, that "the old Indians were of the opinion that thunder clouds are large gigantic birds, having their nests on high hills or mountains, and who made themselves heard and seen very far off. The head they described as resembling that of

having on one side a wing on the other side an arm The lightning is supposed the extremity of the beak w, with which they launch darts over the surrounding

ying east of Thunder Cape, ng, and from six to eight sing encompassed on both ad lofty hills. Towards the peaked eminences termed or Paps, from their singular embling a female's breast, distance.

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, and lead are said to be island in large quantities, as ther islands in its vicinity. chipelago and mainland here ad safe harbors; the Canada akes being greatly favored

RAILROAD AND STEAMBOAT ROUTES

FROM THE CITS OF NEW YORK TO LAKE SUPERIOR AND THE UPPER MISSISSIPPI RIVER-COMBINING COMPORT AND SPEED.

1. By Day Boats running to Albany from both of which places lines of Bailfrom the foot of Desbrosses Street; or road run to the Mississippi River, conthe People's Line of Steamers, running necting with steamers, or to Green Bay, from the foot of Canal Street every even- Wis., the latter forming a favorite through ing at 6 P. M. affording the most de- route to Lake Superior, passing through airable route for pleasure travelers to Green Bay, a most beautiful sheet of Albany and Niagara Falls, the latter water, 120 miles in length and 20 or 30 being one of the grandest objects of ad- miles in width. miration and instruction on the Continent of America. Here the combined waters of all the great Inland Seas plunge over a perpendicular precipios of 150 feet descent. A few days can here be profitably employed in viewing the varied scenery both on the American and the Canadian side of Nisgara River, here forming one of the most magnificent works of Nature.

MITTER P. . I

Gallia ...

Going Westward by Railroad, the tourist has a choice of two favorite lines of travel, viz., by the Lake Shore Line Railroad, running from Buffalo to Cleveland, Ohio, 183 miles; or by the Great place of destination. Western Railway of Canada, terminating opposite Detroit, Mich., 230 miles dis- lines of travel, being about 1,000 miles in tant from Suspension Bridge.

the tourist intending to visit Lake Su- Clair River and Lake Huron, afford unperior, or the Upper Mississippi, can pro- rivaled opportunities to view the grandest ceed by railroad to Chicago or Milwaukee, lake and river scenery imaginable.

n 4 *

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The Lake Superior Line of Steamers, running from Cleveland and Detroit afford the pleasure traveler seeking health and enjoyment one of the most grand excursions on the face of the globe—passing through Detroit River, Lake St. Clair, St. Clair River, Lake Huron, St. Mary's River, and over the pure and magnificent waters of Lake Superior.

The tourist desiring to visit Mackinac, Green Bay, Milwaukee, or Chicago, can proceed by Propeller Line of steamers, passing through the romantic Straits of Mackinso and Lake Michigan to their

Both of the above great Steamboat length, terminating at Superior City, Wis, On arriving at Cleveland or Detroit, and at Chicago, Ill., passing through St.

Railway of New Jersey and the Pennsyl- Cleveland and Pittsburgh Railway, 150 vania Central Railway, affords a most direct and speedy mode of conveyance to York 581 miles. Herrisburg, Pittsburgh, Cleveland, and Chicago.

Passenger trains leave New York several times daily from Pier 15, North Lake ports, stopping at Detroit to land River, running to Easton, Penn., from and receive pasengers. thence to Harrisburg, 183 miles from the City of New York. Here the line of Kailway, extending from Baltimore, Md., and with the Pennsylvania Central Rail-Pittsburgh passenger trains leave several with the great Central Pacific Railway.

2. RAILROAD ROUTE, via Central | times daily for Cleveland, Ohio, via the miles in length; total distance from New

Steamers and Propellers of a large class leave Cleveland daily during the season of navigation for all the Upper

Passenger trains also leave Pittsburgh several times daily, for Chicago, via the travel connects with the Northern Central Pittsburgh, Fort Wayne, and Chicago Railway, 468 miles in length. This great railway line affords the most direct route beway (106 miles from Philadelphia), run- tween the cities of New York and Philaning westward to Pittsburgh, a further delphia to Chicago, the Mississippi River, distance of 249 miles, passing over the and to Omaha, situated on the west bank Alleghany range of mountains. From of the Missouri River, here connecting

1. 1.4

Table of Distances.

•	Miles.
NEW YORK to HARRISBURG, Penn	183
HARRISBURG to PITTSBURGH, Penn 2	49-432
PITTSBURGH to CHICAGO, Ill	68-900
CHICAGO to OMAHA, Neb 4	194-1394

Steamers run from OMAHA to FORT BENTON, on the Upper Missouri River, Juring the season of navigation.

DIRECT RAILROAD ROUTE FROM NEW YORK TO ST. PAUL. NEW YORK to PITTSBURGH, Penn..... CHICAGO to PRAIRIE DU CHIEN, Wis...... 230-1130 PRAIRIE DU CHIEN to ST. PAUL, Minn..... 212-1342

r Cleveland, Ohio, via the Pitteburgh Railway, 150 ; total distance from New

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nd Propellers of a large leveland daily during the rigation for all the Upper topping at Detroit to land sengers.

rains also leave Pittsburgh dally, for Chicago, via the t Wayne, and Chicago Railin length. This great railis the most direct route bes of New York and Philacago, the Mississippi River, situated on the west bank ri River, here connecting Central Pacific Railway.

Miles. 1. 11 21 183 / 104 -432 468-900 494-1394

the Upper Missouri River,

TO ST. PAUL. Miles. 432 468-200 230-1130 212-1349

THE UPPER MISSISSIPPI.

The vast range of country drained by the Mississippl river proper, independent of its great tributary, the Missouri river, embraces most of the State of Illinois, and a great portion of the States of Missouri, flows, Wisconsin, and Minnesota; a small part of the waters of Illinois, on its northeast border, flows into Lake Michigan, while nearly one half of the waters of Wisconsin flow in the same direction, finding their outlet through the Great Lakes and the St. Lawrence river into the Atlantic Ocean. All the waters of Missouri and Iows find their way into the Missouri or Mississippi river, and thence into the Gulf of Mexico. The waters of Minnesota triver, of Minsouri and Iows find their way into the Missouri or Mississippi river, and thence into the Gulf of Mexico. The waters of Minnesota river into the Mississippi a few miles below the Falls of St. Paul to St. Louis to New Orleans at all seasons of the Mississippi river is navigable for steamers of a bout 800 miles, and from Wissouri and Iows find their way into the Missouri or Mississippi river, and thence into the Gulf of Mexico. The waters of Minnesota river is navigable for steamers of a bout 800 miles, and from the year, except when interrupted by les, a further distance of about 1,200 miles, making an uninterrupted navigation, during most of the year, of upward of 2,000 miles, from the Falls of St. Anthony, the Gulf of Mexico. The Gulf of Mexico. The art of Minnesota river is a large class, during a good stage of water from St. Paul to St. Louis to New Orleans at all seasons of the year, except when interrupted by les, a further distance of about 800 miles, and from the year, oxcept when interrupted by les, a further distance of about 1,200 miles, and from the year, oxcept when interrupted by les, a further distance of about 1,200 miles, and from the year, oxcept when interrupted by les, a further distance of about 1,200 miles, and from the year, oxcept when interrupted by les, a further distance of about 800 miles, and from the year of a bout 1,200 m

	Area sq. miles.	Population, 1860.	Population, 186
Illinois	55,400	1.711.951	est 2,000,000
Missouri		1,182,012	., " 1,300,000
Iowa	55,000	674,913	754,732
Wisconsin	53,924	775,881	868,325
Minnesota	83,500	172,023	264,600
	- D		
Total	312,824	4,516,780	· 5,187,657

This rich and fertile portion of the raising annually an immense amount of Union, when as densely populated as the bread stuffs, meats, and other agricultural State of New York, vill contain about products for home consumption and for 25,000,000 inhabitants, and be capable of eign markets.

Agricultural Products.—The this ring were the principal agricultural products by the report of the Commission of Agriculture, for 1866.

States. Illinois.	Bushels Wheat. . 28,551,421	Indian Corn. 155,844,350 72,892,157	30,054,370 3,680,870	
Missouri (1860)	. 15,753,323	52,288,184 6,577,795	12,607,749	
Wisconsin	20,307,920	9,414,583	17,174,086	al di

and the numerous Railroads running to Eastern markets.

Eastern markete.

The principal cities and centers of trade for the above States, lying on navigable waters, and from which Railroads diverge to different vections of the country, are St. Louis, Chicago, Milwaukee, Dubuque, and St. Paul. Between these different cities a healthy rivalry exists for the trade of this great North-Western region, which is annually increasing in population and wealth. wealth.

A large number of Steamers run be-

Total...... 73,265,717 297,018,069 67,905,923 ATM All this immense product, together with trots, the Superior, Develand, Buffalo, and Lake Superior, Device outlet by means of the Mississippi river, the Lakes and St. Lawrence river, ers and propellers are usually thronged no, via the Welland Usual. These steamers and propellers are usually througed with passengers during the summer months. Mackinac, Saut Ste. Marie, and the different ports on Lake Superior being delightful and healthy places of resort.

A Railroad and Steemboat route is now in passetting maries from Chicago A.

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A Railroad and Steemboat route is now in operation, running from Chicago to Green Bay, and thence to Marquette, on Lake Superior, affording a speedy conveyance to this health restoring region. A Railroad is also in progress of construction to run from Bayfield, or Superior. City, to St. Paul, Minnesota, which, when finished, will form one of the most designable religioned and stamphage routes on. A large number of Steamers run between St. Louis, Dubuque, and St. Paul, stopping at intermediate landings, affording daily opportunities for travelers visiting the Upper Mississippi, now annually thronged with pleasure seekers and invalids in search of health.

Steamers, propellers, and sailing vessels run from Chicago, Milwaukee, and other lake ports on Lake Michigan, to Mexico to the Gulf of St. Lawrence.

TABLE OF DISTANCES.

FROM NEW ORLEANS	to Qu	EBEC, VIA LAKE SUPERIOR.	34 ' n)
	Miles.	CITIES, &c.	Miles.
New Orleans	00	LA CROSSE, Wis	1,853
BATON ROUGE, La	135	St. PAUL, Minn	2,060
VICKSBURG, Miss	887	SUPERIOR CITY	9 790
HELENA, Ark,	715	SAUT STE. MARIE	2,093
MEMPHIS, Tenn	800	DETROIT, MICH	8 317
CAIRO, III. St. LOUIS, Mo	1,020	MONTREAL	8.650
DURUOUE IOWA	1,707	Quebec	3,820

al agricultural products Corn. 4,350 2,157 8,184 7,795 Oats. 30,054,370 3,680,870 12,607,749 4,388,848 17,174,086 4,583 8.069 - 67,905,923 W 21 M kinac, Lake Superior, Del Buffalo, and Lake Onta-land Canal. These steamlers are usually thronged rs during the summer inac, Saut Ste. Marie, and rts on Lake Superior being-

nealthy places of resort. unning from Chicago to unning from Chicago to thence to Marquette, on affording a speedy const health rostoring region, so in progress of constructions of the most designation of the most designation of America—thus uniting the Mississippi, with the Inland Seas of America, of travel from New Orleans.

of travel from New Orleans

or, and from thence to Monor, and stance of about 3,800 her words, from the Gulf of Gulf of St. Lawrence.

DUPARIUM .	24
	Miles.
B	1,853
n	2,060
	2,220
IE	2,720
	3,093
	8.317
	8,650
	3,820

class waterers	TABLE OF DISTANCES, Sand Brees of S.
From the CITY of	NEW YORK, to ST. PAUL, Minnesota, by the most DIRECT ROUTE.
CITIES, &c.	LINES OF TRAVEL.
NEW YORK to AL	BANY, via Hudson River Railroad
ALBANY to SUBPE	NSION BRIDGE, via New York Central Rankroad. 304-449
Suspension Bailt	OB to DETROIT, Mich., vis Gt. Western Railroad of Canada 230-679
DETROIT to GRAN	D HAVEN, Mich., via Detroit and Milwaukee Railroad 189-868
GRAND HAVEN t	MILWAUKER, Wis., via Steamboat Route across Lake
MILWAUKEE to L.	A CROSSE, Wis., via Milwaukee and St. Paul Railroad 195-1.148
LA CROSSE to ST.	PAUL, Minn., via Steamboat Route on Mississippi river. 210-1.258
Distance 1	from Boston to St. Paul, via Detroit, etc., 1,403 miles.
NEL VE	

Railroad and Steamboat Route, From the CITY of NEW YORK to SUPERIOR CITY, WISCONSIN.

CITIES, dec., LINES OF TRAVEL. Miles.

Huron. 300-1,098
SAUT STE. MARIE to MARQUETTE, Mich., via Steamboat Route crossing Lake Superior. 160-1,256
MARQUETTE to ONTONAGON*, Mich., via Steamboat Route crossing Lake

Superior. 220-1,476
ONTONAGON to BATFIELD, Wis., via Steamboat Route crossing Lake Superior. 78-1,554
BATFIELD to SUPERIOR CITY, Wis., via. "" 80-1,634

*A Railroad is under construction to extend from Marquette to Ontonagon, a distance of about 130 miles, which will shorten the distance to the head of Lake Superior about 100 miles.

Steamboat Boute from St. Louis to Dubuque and St. Paul USUAL Time, to Dubuque, 24 days; to St. Paul, 44 days. Through Fare, \$20.



\$7 5 1 4 5 4 5 4 5 4 5 4 5 4 5 4 5 5 5 6 5 6 5	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
LANDINGS. M. A Constitute Miles,	LANDINGS. 1 / West Miles
St. LOUIS	DUNLEITH, Ill 1-461
Mouth Miasouri River 20	Potosi Landing, Wis 14-478
Aiton, Ill 5-25	Buena Vista, Iowa 15-490
Mouth Illinois River	Cassville, Wis 4-494
Cap au Gris 40-65	Guttenburg, Iowa 10-504
Clarksville, Mo 37-102	Clayton, Iowa
Louisiana, Mo	McGregor Iowa
HANNIBAL, Mo 30-144	Prairie du Chien, Wis 3-530
Quinor, Ill 20-164	To Chicago, 229 Miles, To the Miles
Lagrange, Mo 12-176	Lynxville, Wis.
Canton 8-184	LANSING, Iowa 16-560
Alexandria, Mo 20-204	De Soto, Wis 6-566
Warsaw, Ill	Victory, Wis 10-576
Keokuk, Iowa 4-208	Bad Ax City, Wis 10-586
Montrose, Iowa	Brownsville, Minn 16-602
Nauvoo, Ill 3-223	La Crosse, Wis 12-614
Fort Madison, Iowa 9-232	To Milwankee, 195 Miles.
Pontoosuc, Ill 6-238	La Crescent, Minn 2-616
BURLINGTON, Iowa 17-255	Richmond, Minn 16-632
OQUAWKA, III 15-270	Trempeleau, Wis 5-637
Keithsburg, Ill 12-282	Winona, Minn 17-654
New Boston, Ill 7-289	Fountain City, Wis 12-666
MUSCATINE, IOWA 18-307	Mount Vernon, Minn 14-680
ROCK ISLAND, Ill.)	Minneiska, Minn 4-684
ROCK ISLAND, Ill. DAVENPORT, Iowa 30-337	Alma, Wis 14-698
Le Claire, Iowa 18-355	WABASHA, Minn 10-708
Princeton, Iowa 6-361	Reed's Landing 6-714
Camanche, Iowa 10-371	Foot Lake Penin 2-716
Albany, Ill 3-374	North Popin, Wis 6-722
Clinton, Iowa 6-380	LAKE CITY, Minn 5-727
Fulton, Ill.	Maiden Rock, Wis 8-735
LYONS, IOWA 2-382	Frontenac, Minn 3-788.
Sabula, Iowa 20-402	RED WING, Minn 18-756
SAVANNA, III 3-405	PRESCOTT, Wis 28-784
Bellevue, Iowa 23-428	Mouth St. Croix River.
GALENA, III	Point Douglass, Minn 1-785
Dubuque, Iowa 20-400	HASTINGS, Minn
To Chicago, 189 Miles,	St. PAUL, Minn 82-820

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uque and St. Paul L. Through Fare, \$20.



	-
\$4 4/4 4/4	Miles
	1-461
, Wis.	14-476
owa.	15-490
	4-494
wa	10-604
***********	12-516
W&	11-527
Chien, Wis:	
229 Miles.	ः शामान
	14-544
	16-560
	6-566
	10-576
Wis	10-556
inn	16-602
Wis	12-614
wankee, 195 Miles.	
linn	2-616
m	16-632
is	5-637
inn	17-654
Wis	12-666
, Minn	14-680
m	4-684
	14-698
n	10-708
3	6-714
<u>.</u>	2-716
Vis	6-722
inn	5-727 8-735
n	3-788
inn	18-756
roix River.	20-184
Minn	1-785
D	2 700
Minn.	89-890
	24-020

Steamboat Route from St. Faul to Dubuque and St. Louis, Connecting with Railroads kunning to Milwaukee and Chicago.



entity.	J. Milen.	LANDINGS.	Miles.
LANDINGS.			1-360
St. PAUL		Dubuque, Iowa	1-200
HASTINGS, Minn			20-380
Point Douglass, Minn	3—35		12-391
Mouth St. Croix River.	rd 1 00		23-415
PRESCOTT, Wis	1-36		3-418
RED WING, Minn	2864	Sabula, Iowa	2-415
Head Lake Pepin	2-66	LYONS, Iowa FULTON, Ill.	20-438
Frontenac, Minn		Clinton, IIL)	2-440
Maiden Rock, Wis		Clinton, Iowa	6-440
LAKE CITY, Minn		Albany, Ill	3-448
North Pepin, Wis		Camanche, Iowa	
Reed's Landing, Minn			10-459
WABASHAW, Minn		Le Claire, Iowa	6-465
Alma, Wis	10-122	DAVENPORT, Iowa	18-433
Minneiska, Minn		ROCK ISLAND, III.)	
Mount Vernon, Minn			30-513
Fountain City, Wis		New Boston, Ill	18-031
Winona, Minn	12-166	Keithsburg, Ill	7-538
Trempeleau, Wis	17-189		12-550
Richmond, Minn	6-188		15-56
La Crescent, Minn		Pontoosue, Ill	
La Crosse, Wis	2-206	Fort Madison, Iowa	6-588
To Milwaukee, 195		Nauvoo, Ill	9-59
Brownsville, Minn	12-218	Montrose, Iowa	3-600
Bed Ax City, Wis	16-234		12-613
Victory, Wis		Warsaw, Ill	4-61
De Soto, .Wis		Alexandria, Mo	
LANSING, IOWS			20-63
Lyneville, Wis	16-276	Lagrange, Mo	8-64
Prairie du Chien, \			12-65
To Milwaukse. 194			26 870
McGregor, Iowa		Louisiana, Mo	30-70
Clayton, Iowa	11-304		12-718
Guttenburg, Iowa	12-316	Cap au Gris	37-75
(Lasville, Wis		Mouth Illinois River	
Buona Vista, Iowa	4-303	Alton, Ill	40-79
Potosi Landing, Wis	15-345	Mouth Missouri River	1.5-80
Directory III	14_359	St. LOUIS	20-82

THE STREET MANUFACTURED AL

· 内部的 金融 32 12.42 12.12	TABLE OF	DISTANCES SEED IN THE PROPERTY OF THE PROPERTY
. 20		
LAYDINGS.		, , , ,
St. LOUIS, Mo	00	Comment of the contract of the
Jefferson Barracka		HELENA, Ark 45-532
Herculaneum	19_80	Mouth of White River 75-607
Selma, Mo	. ' 'Y' R 3R	Napot mow 35-642
Ste. Genevieve	Markett 12, 22, 50	Gaines Landing
Ste. Genevieve		
Kaskaskia Landing, Ill.		Greenville 12-714
Mouth Kaskaskia River.		Port Worthington 30-744
Chester, Mo		
Grand Tower	46-130	
Bainbridge	10-140	Authorities
Cape Girardeau	10-106	The state of the s
Commerce, Mo	16-172	Miliken's Bend 50-824
Cairo, Ill	35-207	Vicksburg, Miss 26-850
COLUMBUS, Ken	18-225	Grand Gulf. Miss.
Hickman, Ken	25-250	Rodney, Miss 17-917
New Madrid, Mo	32-282	Nutchez, Miss 60-977
Island No. 11		Month Red River 60-1,037
Needham's Cut-off	54-341	Ravon Sara La
Needing & Chron		Port Hudson, La.
Plumb Point		Baton Rouge, La 24-1,111
Fulton, Tenn		Plaquemine, La 25-1,137
Mouth of Hatchee River		DONALDSONVILLE, La 80-1,167
Randoiph	0-362	NEW ORLEANS, La 80-1,247
Memphis, Tenn	60-447	NEW URLEATES, Date to completely
Steamboat H	oute from 8	t. Paul to Mankato, Minn.
T.AMDINGS.	Miles.	LANDINGS. Miles MANKATO. St. Peter. St.
Se EDATIK.	3.94	MANKATO
Mendota		St. Peter
Mondous	1 1	Ottowa 16-4
Credit River	Paris Street Alica 91	Handerson
Bloomington	30 20	Belle Plaine
SHAKOPEE		Gt Tamones
Chaska		St. Lawrence
Carver		Strait's Landing.
Louisville	44	Louisville
Strait's Landing	105	Carver.
		9 SHAKOPEE
		8 Manuota 1-14 8 St. PAUL 5-14

Engineer SE To the TERATEROADS TELEDWA, W. D. style de product of SE

es come de come empresa

Miles, T

Miles 40-487
40-487
45-532
River 75-607
75-642
40-682
20-702
40-682
12-714
ton 30-744
15-764
0e, La 10-774
15-764
Miss 26-850
iss 50-900
17-912
Liss 60-977
ver 60-1,037
4 40-1,677
La 11-1,088
uge, La 24-1,112
ala, La 36-1,167
LEANS, La 30-1,247
LEANS, La Miles

Wat T PHETA	CONNECTIONS TO CHICAGO.
	estern, Dubuque and Sions City,
and Dubuque and	South-Western Rallway.
2007	Miles. STATIONS. Miles.
Chicago	
Junction	
ELGIN	
BELVIDERE34	78 Delaware,
ROCKFORD 1	4-92 MANCHESTER. 6-47
FREEPORT	9-121 Masonville
DUNLEITH6	7-188 Winthrop 7-61
(Mississippi river.)	Independence 8—69
Dubuque, Iowa	0 Jesup 9—78
Julien	10 Raymond 9-87
Peosta.	6—15 Waterloo
Epworth	4-19 CEDAR FALLS 6-99
FARLEY JUNCTION	4-23 New Hartford 10-100
Worthington	7-30 Parkersburg 9-119
Sand Springa	7-37 Aplington 5-123
Monticello	6-43 Ackley 9-132
Langworthy	4-47 Iowa Falls
Anamosa.	7-54 d (Stages.)
Viola	7—61 Alden.
	4-65 Webster,
MIGHUM.	8—73 FORT DODGE,
CEDAR RAPIDS	6—79 Sloux City (Missouri river).
9, 2012	
2. Chicago and North-W	Vestern, Dixon Air Line and Iowa
Division, Cedar Rapid	s and Missouri River Railway.
STATIONS.	Miles, STATIONS Miles,
Chicago	0 Mount Vernon
Junction	30 Codar Rapids 19-217
Dixon	8-98 Blairstown
(Junction Illinois Central)	Belle Plaine
FULTON	8-186 Toledo
(Mississippi river.)	Marshall
Citnton, Iowa	1-137 State Center 14-302
	5-142 Nevada
	5-147 Boomsboro 21-340
De Witt	9-156 Jefferson
Wheatland 1	6-172 Denison
London	5-177. St. John's 43-466
	7-184 Council Bluffs 24-490
Mechanicsville	0-194 Omaha, Neb 4-494

THE UPPER MISSISSIPPI.

Bailr	d, Mississippi and Missouri
STATIONS, Miles.	, STATIONS. Miles
	Wilton 20
Chicago	Moscow 3-21
[[]]]	Atilissa 5-21
THE REAL PROPERTY OF THE PARTY	West Liberty 5-22
F 2 C 2 V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Iowa City 16-23
(20% if river.)	Oxford 15-25
Consideration of the second of	MARENGO
A DOME AND A PROPERTY OF THE PARTY OF THE PA	Victor
(Misissippi rt. er.)	Brooklyn8-28
Davenport, Iowa 2-184	Grinnell. 15-30
Walcott	Kellogg11-31
PHILORAGE	RELIANGE.
Durant 2-203	!
Wiiton 6-209	1 E av
Muscatine 13-222	(Stages.)
Ononwa	
Clifton 10-244	
Ainsworth 8-252	
WASHINGTON 7-259	Council Bluff
### STATIONS. ####################################	New London 6-2
(Illinois Central R. R.)	Checendra,
GALESBURG	Tab House
	W III CILCULATION OF THE CO.
E. Dillingoon.	Agency City
(Mississippi river.)	
Burlington, Iowa 1-210 Middletown 9-215	CHARITON 55-3
Tiddletown	Mark And And And And
5. Des Moines	valley mailroud.
STATIONS.	STATIONS.
Keokuk, Iowa	Ottumwa16—
Sand Prairie	E Tour true
Belfast 6-2	U UBBARDOUSA
Croton 5-2	
Farmington	0 Pella 8-1
Rentonanort 9-3	9 Monroe 14-1
	I Prairie City 10-1
Summit. 6—4.	

pi and Missouri

5-217 15-253 15-304 lluffs. · · · · · · · · . multine Burlington and Miles. 15-240 15-260 5-265 warm collection Miles

CHICAGO, W. CHICAGO,

of Illinois, is advantageously situated on the south-western shore of Lake Michigan, at the mouth of Chicago river, in N. lat., 41° 52′, and W. long., from Greenwich, 87° 35′; being elevated eight to tean feet above the lake, the level of which great body of water is 578 feet above the Atlantic Ocean. This city has within thirty years risen from a small settlement around an old fort (Dearborn), to a place of great commercial importance, being now one of the largest interior cities in the United States, exhibiting a rapidity of growth and wealth never before known in the annals of the country. The harbor and river has a depth of from 12 to 14 feet of water, which makes it a commedious and safe haven; and it has been much improved artificially by the construction of piers, which extend on each side of the entrance of the river, for some distance into the lake, to prevent the accounting of sand upon the bar. each side of the entrance of the river, for some distance into the lake, to prevent the accumulation of sand upon the bar. The light-house is on the south side of the harbor, and shows a fixed light on a tower 40 feet above the surface of the lake; there is also a beacon light on the end of the pier. In a naval and military point of view, this is one of the most important ports on the Upper Lakes, and point of view, this is one of the most important ports on the Upper Lakes, and should be strongly defended. Along the river and its branches, for several miles, are immense grain warehouses, some of which are capable of storing upward of 1,000,000 bushels of grain—and along-side of which vessels can be loaded within a few hours. The whole capacity for storage of grain exceeds 10,000,000 bushels. There are also immense storeliouses for the storage of flour, beef, pork, whisky, and other merchandise, and capacitous docks and yards for lumber, wood, coal, &c., Chicago now being one of the

tion of the city is mostly built of brivand a fine quality of stone, sometime called "Athens marble." This stone is found in the vicinity of the city, highly prized as a building material. The dwelling-houses are mostly constructed wood, except costly residence a which are of brick, or stone and marble. The city contains a United the custom-house and post-office building, a court-house and jail, the county buildings, a Marine Hospital, Rush Medical College, and Chicago Medical College; the Chamber of Commerce, a new edifice, built of Athens stone; a new opera house, eademy of music, and other places of amusement; market houses; several large hotels; 120 churches of different denominations, many of which are costly ediferent the places.

Goderich, Can., Detroit, Cleveland, Dun-kirk, Buffalo, and to the ports on Lake Cutario, passing through the Welland Canal vessels occasionally sailing to and from European ports, via the St. Law-now in progress of construction, extend-

from European ports, via the St. Law-rence river.

The Illinois and Michigan Canal, con-necting Lake Michigan with Illinois river, which is 60 feet wide at the top, 6 feet deep, and 101 miles in length, including five miles of river navigation, terminates here, through which is brought a large amount of produce from the south and southwest; and the numerous Pailroads radiating from Chicago add to the vast accumulation which is here shipped for the Atlantic sea-board. Chicago being the Atlantic sea-board. Chicago being within a short distance of the most extenwithin a snort distance of the most exten-sive coal-fields to be found in Illinois, and the pineries of Michigan and Wiscon-sin, as well as surrounded by the finest grain region on the face of the globe, makes it the natural outlet for the varied makes it the natural outlet for the varied and rich produce of an immense section of fertile country. The establishment of the great Union Stock Yard, during the past year, will render Chicago more attractive than ever as a cattle market. The receipts of beef cattle during the year ending March 31, 1866, amounted to 348,928; the total number of hogs, live and dressed, being 1,178,832; the re-

now in progress of construction, extending about two miles from shore under Lake Michigan, is intended to supply the city with pure and wholesome water. Two Artesian Wells are also in operation, situated three miles west of the lake, yielding 1,200,000 gallons of pure water daily. The City Railroads extend to the limits of the city in every direction, effording a cheap and speedy mode of conveyance, while, from the numerous railroad dopots, passengers are conveyed to remote points, east, west, north, and south. south.

Number of Vessels arrived and cleared in 1865, with their Tonnage.

POPULATION OF CHICAGO AT DIFFERENT

I Dilloudi	
United States Census, 1840	4,853
State Census, 1845	12,088
United States Census, 1850	29,963
State Census, 1855	80,000
United States Census, 1860	
State Census, 1865	178,900
Course Central, 1000	110,000

TAKE TUNNEL

During the month of March, 1867, the grand work of the age, the Lake Tunnel, extending two miles into and under Lake Miohigan, was completed, furnishing an abundant supply of pure water for the city. In addition to the above, the splendid new blocks of buildings, es-

PRINCIPAL HOTELS IN CHICAGO.

Adams House. Briggs House, . Matteson House,

Location.

Lake st., cor. Mich. av.
Randolph & Wells.

Randolph & Dearborn.

Randolph & Dearborn.

Randolph & Dearborn.

er during the year ending 6, amounted to 647,145,734 501,592,406 feet received year. The Lake Tunne, ss of construction, extendss of construction, extend-omiles from shore under the interest of the state of the transfer of the state of the wells are also in operation, on miles weat of the lake, one gallons of pure water ity Railroads extend to the city in every direction, sf-up and speedy mode of con-e, from the numerous rail-assengers are conveyed to s, east, west, north, and

ssels arrived and cleared in with their Tonnage.

OF CHICAGO AT DIFFERENT

Census, 1840 4,853 1845 12,088 Census, 1850 25,963 1855 80,000 Census, 1860 199,260 1865 178,900

Oriental Building, the Mer-ling, and the magnificent thern and Rock Island De-racific Road, are ornaments , now numbering (1868) bitants.

30. LOCATION. ouse, S. Water & Mich. av. use, Randolph & Clark.

Chicago and North-Western Ballway and its Bran	che
1. WISCONSIN DIVISION.—Chicago to Green Bay, Wis. 2. MILWAUKEE DIVISION.—Chicago to Milwaukee, Wis. 3. KENOSIIA DIVISION.—Kenosha to Rockford, Ill. 4. MADISON DIVISION.—Belvidere to Madison, Wis. 5. PENINSULAE DIVISION.—Escanaba to Marquette, Mich. 6. FOX RIVER VALLEY.—Eigin to Geneva Lake, Wis. 7. GALENA DIVISION.—Chicago to Freeport, Ill. 8. IOWA DIVISION.—Chicago to Omaha, Neb.	Miles. 242 85 72 68 68 43 121 494
Total. Other Railroads diverging from Chicago.	1,193
Chicago and Rock Island. Chicago, Burlington and Quincy. Galeaburg and Burlington Branch. Chicago, Alton and St. Louis. Illinois Central [®] (Chicago to Cairo). Chicago and Great Eastern (Chicago to Cincinnati). Pittsburgh, Fort Wayne and Chicago. Michigan Southern and Northern Indiana (Chicago to Toledo, Ohio) Michigan Central (Detroit to Chicago).	45 280 365 294 468 243

RAILROAD ROUTE,

FROM CHICAGO to GALENA, DUNLEITH, and DUBUQUE.

Grand Total......3,498

Passenger cars leave the Wells Street depot, Chicago, morning and evening, for Dunleith and Dubuque, connecting with Stramers running on the Mississippi river, and with the Dubuque and Siouz City Rathway.

On starting from the depot, the Galena Division of the Chicago and North western Railway, runs west to the limits of the city, three miles, where may be seen, on the right hand, the celebrated Arthur Stramer Wells, and extensive ice house, where an immense volume of pure water is flowing continually, rising 25 feet above

In the work is the

^{*} Main Branch, Dunleith to Centralia, 848 miles.

BABCOCK'S GROVE, 20 miles, is the name of a settlement surrounded by an

name of a settlement surrounded by an extensive range of forest trees, through which the railroad track passes.

DANEY, 22½ miles, is a small village, surrounded by a rolling praure.

WHEATON, 25 miles, is a flourishing village, where is situated Wheaton College, several churches, stores, and manufacturing establishments.

WINDIELD, 28 miles, is surrounded by forcest trees and position propriets of small.

forest trees and prairie openings of small

JUNCTION, 30 miles. Here is a small JUNCTION, 30 miles. Here is a small settlement, and machine shops for rail-road purposes. The Chicago, Burlington, and Quincy Railroad here diverges toward the Southwest, while the Dixon and Iowa Division of the Chicago and Northwestern Railway runs west to Ful-ton, situated on the Mississippi River.

In this vicinity may be found the prai-

rie hen, quail, snipe, plover, ducks, wild geese, and other game in their season, during the spring and fall months. WAYNE, 35 miles, is a small railroad

CLINTONVILLE, 39 miles, is situated on

Fox River, where are several flouring mills, propelled by water power.

Elgin, 42 miles from Chicago, situated on Fox River, is a large and flourishing town. Here are several flouring mills, a woolon factory, and other manufacturing establishments, propelled by water power. There is also an extensive watch manufactory, giving employment to several hundred workmen. Populato several hundred workmen. Popus-tion, about 4,000. The Fox River Valley Railroad runs north from this place into Wisconsin, 43 miles, extending through a fertile section of country, which be-

extensive corn-fields, next attracts the attention of the traveler.

COTTAGE HILL, 18 miles, is a small scattered settlement, surrounded by rich lands, under a high state of cultivation.

RESPONSIVE GRAPTIC CONTROL OF THE PROPERTY OF THE Gilbert's Station, 50 miles.

Huntley, 55 miles, is a scattered vilinge, surrounded by a rich section of country, where may be seen an extensive.

level prairie. Union, 621 miles, is a small, scattered

MARRINGO, 66 miles, is a thriving village, where are several steam flouring and other mills.

GARDEN PRAIRIE, 72 miles, is a small village, surrounded by a fine section of

village, surrounded by a fine section of country, producing corn and wheat in great abundance.

Belvidere, 78 miles from Chicago, is a large and flourishing village, situated on Kishwaukee river, flowing into Rock river. It is the capital of Boone County, and contains about 3,500 inhabitants. Here are two flouring mills and other manufacturing establishments, propelled by water power; several churches, hotels, and stores.

The Beloit and Madison Railroad, 68 miles in length, extends north through a fertile section of country.

fertile section of country.

CHEREY VALLEY, 84 miles, is situated on Kishwaukee river, which is here crossed by a long wooden bridge.

The City of Reckford, 92 miles from Chicago, and 96 from Dunleith, is advantageously situated on Rock river, where is a good water power. It is the capital of Winnebago Country, and contains, besides the county buildings, four-teen churches, three national banks, several public houses, and numerous stores. teen churches, three national banks, several public houses, and numerous stores. There are several flouring mills, saw mills, a cotton factory, two woolen factories, and several other factories, employing water power. Population, about 10,000, The Kenosha Division of the Chicago and Northwestern Railway terminates

here, being 72 miles in length.
WINNEBAGO, 99 miles, is a small village.

at hilly, with a fine growth

ration, 50 miles.

5 miles, is a scattered villed by a rich section of may be seen an extensive

miles, is a small, scattered

6 miles, is a thriving vil-re several steam flouring

ATRIE, 72 miles, is a small inded by a fine section of ucing corn and wheat in 00.

re, 76 miles from Chicago, flourishing village, situated the river, flowing into Rock the capital of Boone County, about 3,500 inhabitants. o flouring mills and other sestablishments, propelled er; several churches, hotels,

and Madison Railroad, 68 h, extends north through a

h, extends north through a of country.

LLEX, 34 miles, is situated the river, which is here ong wooden bridge.

FROCKFORD, 92 miles, and 95 from Dunleith, is ally situated on Rock river, od water power. It is the innebago County, and conthe county buildings, fours, three national banks, sevuess, and numerous stores. ouses, and numerous stores, eral flouring mills, saw mills, ory, two woolen factories, other factories, employing Population, about 10,000.

ha Division of the Chicago restern Railway terminates 2 miles in length. 10, 99 miles, is a small village.

PECATONICA, 106 miles, is a small set-

RIDOUT STATION, 114 miles.

RIDOUT STATION, 114 miles.
The City of Freepert, 121 miles from Chicago, and 67 from Dunleith, the capital of Stephenson County, is favorably situated on Pecatonica river, being surrounded by a very fertile section of country. By means of a dam, a good water power is obtained, and used for propeling douring mills, and other mills and factories. Here are ten churchos, two banks, several hotels, numerous stores, and about 9,000 inhabitants. The Western Union Rasiroad, extending from Raern Union Railroad, extending from Rapi, runs through Freeport, where terminates the Chicago and North-Western Railway; the Illinois Central Railroad, running from Cairo, continues on to Dun-

leith.

ELEROY, 129 miles, is a small village.

LENA, 134 miles, is a small place, surrounded by rich prairie lands.

NOBA, 142 miles, is a small settlement.

WAREEN, 145 miles from Chicago, is
situated near the State line, which divides Illineis from Wisconsin, being 32
miles south of MINEBAL POINT, which is
the center of the lead region of Wisconsin. Warren is a flourishing place for
trade, being surrounded by a rich agricultural and mineral section of country.

Population. 2,500.

cultural and mineral section of country. Population, 2,500.

APPLE RIVER STATION, 151 miles. Here the country becomes rough and broken, surrounded by the lead region of Illinois and Wisconsin. Westward, the fallroad passes through some deep cuts, and over high embankments.

SCALES MOUND, 160 miles, is a small settlement, surrounded by a hilly section of country, filled with lead mines.

COUNCIL HILL, 165 miles, is another small settlement, surrounded by lead mines, where excavations may be seen along the readside. Westward the line of the railroad is very crooked, presenting some beautiful scenery as you approach Fevre River.

proach Fevre River.

The City of Gallerna, 172 miles west of Chloago, the capital of Jo Daviess County, is an oid and flourishing place of business, aituated on Fevre river, six miles above its entrance into the Mississippi river. It is situated in a romantic ravine, and on hill-sides of great natural beauty. Calena owes its importance, mainly, to the ridn mines of lead with which it is surrounded, and possessing a secure harbor for steamers. Here are eight or ten churches, two banks, soveral hotels, numerous stores, and many fine private dwellings. Population, about 8,000. The trade of this city, formerly, was very exteasive, this city, formerly, was very extensive, but since the completion of the railroad to Dunleith, and access to Dubuque, it has, in part, lost its commercial importance, yet it is still a place of much wealth.

MENOMINEE STATION, 180 miles from Chicago, lies near the Mississippi River, where its waters are first seen flowing onward to the Gulf of Mexico.

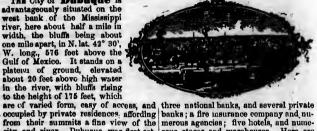
onward to the Gulf of Mexico.

Dunletth, Illinois, lies on the east bank of the Mississippl, here about half a mile in width, directly opposite Dubuque, by which it is connected by a steam forry. The Illinois Contral Railroad terminates here, running north from Cairo, 456 miles, thus forming, in part, a line of travel to Chicago, and a through line of travel to the mouth of the Ohio river. At Dunleith are a machine shon. river. At Dunleith are a machine shop and foundry, an elevator for grain, a few stores and store-houses, public-houses and about 500 inhabitants.

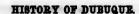
DUBUQUE.

THE City of Dubuque is advantageously situated on the west bank of the Mississippi west bank of the missussippi river, here about half a mile in width, the bluffs being about one mile apart, in N. lat. 42° 30', W. long., 576 feet above the Gulf of Mexico. It stands on a platein of ground, elevated about 20 feet above high water

The city contains a United States Custom House, built of Nauvoo limestone, and accommodates the post office, the assessor and collector of the internal reveand accommodates the post office, the assessor and collector of the internal revenue for the third Congressional district, the office of the surveyor-general for Iowa and Wisconsin, and the clerk of the U. S. district court, and the court-room for said court; the county huildings, and a city hall, containing a general market, city court-room, room for the meeting of the city council, other offices for city purposes, and a large hall capable of seating 5,000 people; eighteen churches of different denominations; three public school buildings, attended by 600 pupils, a high-school buildings and several, primary school buildings; also, the Lee Seminary, a private school for young ladies;



from their summits a fine view of the merous agencies; and hotels, and numerity and river. Dubuque was first settled in 1832, and incorporated as a city in 1847, being the county seat of Dubuque County. It is divided into five wards, and in 1865 contained a population of 15,814 inhabitants, and is rapidly machine factory, a steam engine factory, two boiler factories, a car factory, and inany other manufacturing establishments.



DUBUQUE was the first place permanently occupied by white men in the State of Iowa. The first white persons who saw the beautiful prairie on which the city new stands were Extended. the city now stands were Father MARquette and his companions, connected with the Catholic Missions in Canada, with the Catholic Missions in Canada, and then upon a voyage for missionary purposes and exploration down the Mississippi. At that time—In the summer of 1673—heavy timber covered the bluffs, and scattering oaks grew upon the plateau now occupie! by costly buildings. It was nearly a hundred years afterwards before trading posts were established on the Mississippi river, at Kaskaskia, St. Louis, and Prairie du Chien, and not until 1788, that JULIEN DUBUQUE, a Frenchman, obtained permission of the Sea and man, obtained permission of the Sac and Fox Indiana, in a council held at Prairie man, obtained permission of the Sac and Fox Indiana, in a council held at Prairie du Chien, to explore and work the lead mines in the vicinity of Dubuque. The same privilege was also granted to him in 1796 hy Baron Carondolet, Governor may be inferred from the facts that the of Louisiana, then a Spanish province, embracing all the land west of the Mississippl. He died in 1810, and was buried on the point of a steep bluff below the city.

The Upper Mississippl lead mines were \$13,000. The assessed value of the property in the latter year was nearly \$14,000,000. From 1840 to 1850, the first worked on the east side of the river population increased from 1.000 to 4.071.

The Upper Mississippi lead mines were first worked on the east side of the river

1823 they were worked by white men in the neighborhood of Galens, III.

The Black Hawk war commenced in 1831. After the treaty made with the Sacs and Foxes, in the fall of the latter year, the Indiana abandoned the place, the whites returned, and the first permanent settlement was made—the only one then in the territory in 1833, in honor of the name of its first west of the Wississippi and porth of the settler forty lev wars before. in the fall of the latter year, the Indians may be said to have been made here, and abandoned the place, the whites returned, the appropriate name Dubuque given it and the first permanent settlement was made—the only one then in the territory in 1833, in honor of the name of its first west of the Mississippi, and north of the settler, forty-five years before. The land upon which the principal part

At this time no part of Iowa had been obtained from the Indians. The country obtained from the Indians. The country west of the Mississippi was a part of the Louisiana purchase," obtained from the French government in 1803. That part of the territory, including what is now Iowa, was successively a part of the country attached to the Territory of Orleans, of Louisiana, of Indiana, and subsequently of Missouri until 1821.

After the admission of Missouri, in the last named year, the territory north of that State and west of the river—a part of which is now Iowa—remained unor-

of which is now lows—remained unor-ganized, until settlements had been made on the west side of the river, and this region was attached to Michigan Territo-ry in 1834.

In 1836, Iowa became a part of Wis-

arst worked on the east side of the river population increased from 1,000 to 4,071. by the Indians to furnish a means of commerce with the Indian traders. In 1823 they were worked by white men in the neighborhood of Galena, Ill.

The Black Hawk war commerced in 1852, the side of the charter in 18



distilleries, six breweries, a iron foundry, two flouring aw mills, a tub and pail facto-th, door and blind manufacto-ow shade factory, a threshing ctory, a steam engine factory, factorics, a car factory, and or manufacturing establish-

ique and Sioux City Railroad hed to Iowa Falla, 144 miles, in becompleted to Fort Dodge, When finished to Sioux City, isouri River, a total distance ies, with its south-western Cedar Rapids, it will afford tages to this portion of Iowa. Is also being constructed from to St. Paul, Minn., running rity direction. Steamers of a rly direction. Steamers of a form daily lines to St. Louis, th, and Prairie du Chien, and the north, connecting with

of the city is built is, upon no average, of may risk from the pineries of Wisconforty feet above the river, is mostly o's an and Minnesota.

One of the greatest sources of natural wealth in this vicinity are the inexhaustratio of deaths, to the whole number of inhabitants, appears, by the mortuary statistics for many years pest, to be only about one in a hundred.

The climate of the whole of Iowa is Louis and St. Paul, about four hundred

of the city is built is, upon an average, forty feet above the river, is mostly of a sandy and gravelly nature, and therefore, generally dry. Few cities are so fortunate in relation to heelth. The ratio of deaths, to the whole, number of inhabitants, appears, by the mortuary statistics for many years pest, to be only about one in a hundred.

The climate of the whole of Iowa is represented as excellent; the air, especially on the prairies, being dry and bracing. The mean annual temperature varies from 46° to 52° Fahrenheit. The country generally, excepting the low margins of the rivers, is as free from epidemic diseases as the most favored portion of the Union.

The bluffs afford good quarries of building stone, and extensive brick manufacturies are in operation within the city limits. A number of lumber yards and steam saw-rills are supplied by rafts

The River Commerce of the West.

So much has been said heretofore of attention to the following Tabular State-the immense Commerce of the Northern ment, showing the amount of Tonnage Lakes, and the River Commerce of the belonging to the leading ports on the West, that it may be worth while to call Mississippi river and its tributaries:

alue in dollars.
184,000
459,500
402,600
485,000
178,500
994,500
011,200
103,000
292,000
265,000
920,800
607,500
,330,000
918,000
556,600

the pineries of Wisconatest sources of natural cinity are the inexhaust-ead, yielding, even with erfect mining, a product million dollars annually, of Dubuque, upon the rly midway between St. aul, about four hundred nt, and also its location ines across northern Illin Wisconsin, have made trade for this portion of vest. Sustained as the lroads running west to-buri river and the trade t, of the northern half of the total that of Minnesota rt of that of Minnesota isconsin, and eventually d Dacotah, it is, no doubt, ome a large and important tropolis.

West.

following Tabular Statethe amount of Tonnage the leading ports on the or and its tributaries:

Calacity in tons.	Value in
42,988	\$4,184,000 459,500
5,187 5,019 8,805	402,600 485,000
2,192 25,425	178,500
15,191 2,156	1,011,200
21,625 2,898	1,292,000 265,000
49,471	8,920,800 607,500
110,769 8,075	8,530,000 918,000
292,144	894,556,600

These figures are compiled from authentic records by a western official, and may be relied upon. They show that the war has not destroyed the commerce of the western rivers, as had been erroneously supposed. The great depots of this commerce are St. Louis, Pittaburgh, in the order named. The pre-eminence of St Louis and Pittsburgh is owing to thair being the terminal points of the water route of the great transit from the seaboard to the Mississippi. Beginning

INFORMATION FOR TRAVELERS.

THE following are the Lines of Railroad running North, North-west, West, South-west, or South from Chicago, with the leading points to which they tend, or which are taken upon their course. These lines form the main arterics of the great Railway System of the West, of which Chi-Railway System of the West, of w. leh Chicago may not be inaptly termed the heart, and they are cut and crossed in every conceivable direction by other roads, carrying the traveler to within a few miles of any point he may desire to reach. On many of these roads there is no second-class fare; we give it in all cases where teckets are issued at other than first-class

tickets are issued at other than first-class rates:

1. The Milwaukee Division of the Chicago and North-Westorn Railway, skirts the western shore of Lake Michigan a distance of 85 miles, thence to La Crosse on the Missiasippi river, via Milwaukee and St. Paul Railway, 280 miles, where it connects with Steamers for St. Paul and other points on the Upper Mississippi. The following are the Distances and Fares from Chicago:

Miles. 1st Class. 2d Class.

Milwaukee
La Crosse
Winona
St. Paul

2. The Chicago and North-Western Railway [main line] runs from Chicago in a northwesterly direction to Janesville, a distance of 91 miles, and thence runs almost due north to the head of Green Bay, skirting the western shore of Lake Michigan at a distance of about 14 miles. The distance to Green Bay [Fort Howard] i. 242 miles. Thence by Steamer to Escanaba is about 95 miles. This point is at the lower end of Green Bay whence to Marquette, on Lake Superior, is 75 miles. The following are the Dis-tances of these points from Chicago with

Miles.

miles to Sioux City.

The following are the Distances and Fares from Chloago:

1	files.	1st Class.	2d Class.
Fulton	196	\$5.45	\$4.95
Boone	842	14.90	
Council Bluffs	491	21.50	
Omaha		92.00	
Sioux City	544	25.00	••••

The Chicago and Northwestern Railway also runs trains to, or connecting with, trains for Madison, Wiscousin, and Prairie du Chien on the Mississippi.

Miles, 1st "lase, 3d Class, Madison...... 188 Prairie du Chien, 229 \$5.00 9.00

Prairie du Chien. 229 9.00 \$7.50

5. The Chicago, Burlington and Quircy Railroad runs from Chicago south-west by west to Galesburg, in the interior of the State, where it divides, one branch going to Burlington, and another to Quincy, both points I ying on the Mississippi river. At Quincy it connects with the Hannibal and St. Joseph Rairoad, which runs across the State of Missouri to the Missouri river, connects with the Missouri river connects with the Missouri river. At three courts of the distance the Missouri river connects with the main line which runs from Centralia to Punlett, taking a meridianal course right through the middle of the State. It connects at Cairo with Steamons to all points. The following are the Distances and Fares:

Miles. 1st Class. 3d Class.

Miles. 1st Class. 3d Class.

Miles. 2st Class. 3d Class.

Bleomisque. 195

Springfeld. 195

Springfe

 Galesburg.
 165

 Burlington.
 210

 Quiney.
 265

 St. Joseph.
 471

8. The Chicago and Rock Island Rau-

pleted to LARAMIE, 571 miles west of Omaha.

At Missouri Valley Junction, Iows, the Pacific and Sioux City Railroad runs 75 miles to Sioux City.

The following are the Distances and Fares from Chicago: and Omaha City is in progress [now supplied by stages]. The following are the Distances and Fares:

> Miles. 1st Class. 2d Class. Rock Island 182 Kellogg \$15 Council Bluffs ... 446

7. The Chicago and S. Louis Railroad runs through the State of Illinois in a south-west by south direction taking a number of the most important towns on its course—as Bloomington and Spring-field. It connects with Star pers to all points on the Mississippi and Missouri rivers. The Distances and Parcs are as follows:

Miles, 1st Class.

324 FKE

the State of Illinois, from Chicago, to Rock ississippi river, and is lississippi and Missouri ogg, sbout half way I lowa, and the extensiate to Council Bluffs, is in progress [now s]. The following are Fares:

files. 1et Class. 2d Class.

and S. Louis Railroad

State of Illinois in a
uth direction taking a
sit imported towns out
locatington and Springs with Store zers to all
lectusippi and Missouri
ances and Pares are as

Milas, 25t Class, 2d Class, 125

entrel Pairoad runs ariy south to Cairo, at e Ohio and Mississippi fourths of the distance Centralis with the uain from Contralis to Punerilinal course right in the State. It is with Steamers to all wing are the Distances

Miles, 1st Cinas, 258

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CHICAGO to DUNLEITH and DUBUQUE,

VIA NORTH WESTERN RAILWAY, CONNECTING AT DUBUQUE WITH THE NORTH WESTERN UNION PACKET LINE OF STEAMERS RUNNING ON THE UPPER MISSISSIPPI RIVER.

Going West.	Officers.	Going East.
Through Passenger Trains leave Chlcago for Freeport and Dunicith at 9 A.M. and 10 P.M.	WM. B. OGDEN, Pres., Chicago. GEO. L. DUNLAP, Supt., '' B. F. PATRICE, Pass. Agt., "	Through Passenger Trains leave Dunieith for Freeport Chicago, etc., at 5 2. M and 5 P.M.
STATIONS. Miles. Fare.	Connecting Lines.	STATIONS. Miles. Farc
Harlem 9 Cottage Hill 16 Danby 23	Railroads and Steamers.	DUBUQUE 0 \$ cts. DUNLEITE 0 Menominee 8 Galena 17
Winfield	Chicago, Burlington & Quincy Railway.	Council Hill 24 Scales Mound 29 Apple River 38 WARREN 44
ELGIN. 42 Gilbert's 50 Huntley 55 Union 62	Fox River Valley Railroad.	Nors 47 Lens 55 Eleroy 80 Freeport 68
Marengo 66		(Chicago & N. Western R.R.)
BELVIDERE 78 3 15	Beloit and Madison Branch.	Ridott
Cherry Valley 84 Rockford 92 3 70 Winnsbago 99	Kenosha & Rockford Railroad.	Winnebago 90 Rockford 97 Cherry Valley 105
Pecatonios106 Ridott114		BRI.VIDERE111
Freeport121 4 85 (Illinois Central Railroad.)	Illinola Central Railroad, run- ning from Dunleith to Cairo.	Garden Prairie117 Marengo123 Union127
Eieroy129 Lena134 Nora142	e a	Huntley
WARREN	Mineral Point Railroad, 32 miles in length.	Clintonville150 Wayne154 Junction159 Winfield161
Galena172 7 30		Danby166 Cottage Hill173
Menominee181 buni ert. 1189 7 95 DUMUQUE 8 45	Steamers on Mississippi River. Dubuque and Sioux Railroad.	Harlem

CHICAGO to GREEN BAY. Wisconsin,

VIA CHICAGO AND NORTHWESTERN RAILWAY, CONNECTING WITH STEAMERS FOR LAKE SUPERIOR, ETC.

Going North. Through Passenger Truins for Green Bay and St. Faul, Minn., leave at 9 A.K., and 4.30 P.M.	WM. B. OGDEN, Pres., Chicago. 680. L. DUNLOF, Supt., "A. A. HOBART, Ast. Supt., "B.F. PATRICK, Payer, Agt.,"	Guing South. Through Passenger Trains leave Green Bay for Chi- cago, etc., at 6 20 A.M. and 4.15 P.M.
STATIONS. Miles. Fare.	Connecting Lines.	STATIONS. Miles. Fare.
CHICAGO 0 \$ cts.	Railroada and Steamers.	GREEN BAY. 0 \$ ets
Des Plaines 16 Dunton 22 Paiatine 26		De Pere 6 Wrightstown 16 Kaukauna
Barring ton 31 Crystal Lake 42	Fox River Valley Rallroad.	Little Chute 25
	Kenesha and Rock River R.R.	
Sharon, Wis 70 CLINTON 78 3 15	Racine and Mississippi R. R.	Fond du Lac 65 Oakfield 74
MILTON JUNCTION 99 3 80	Janesville Junction Railroad Milwaukee & Preirie du Chier Railroad, for Madison, etc.	Minn. Junction 94
	M. aukee & St. Paul R.R. fe	Watertown112
Janeau	for Beaver Dam, etc.	Fort Atkinson 131 Milton Junction 143 Janesville 151
Oakfield168	Horlcon Div. to Berlin, etc. Steamers on Lake Winnebage	Shopiere164
OSEKOSH193 6 8	Rivera, etc.	Harvard, Ill179 WOODSTOCK191
APPLETON213 7 6	0	Crystal Lake199
Kaukauna		Palatine
When the word of the	Steamers for Escanaba, Lal Michigan, etc.	CHICAGO242

FROM GREEN BAY TO ESCANABA, MICH.

A Steamer runs daily, during the Season of Navigation, on the arrival of the Care from Chicago, for Escanaba, connecting with Cars on the Perinsula Railroad, for Manquette—thus forming a Through Line of Travel from Chicago to Lake Superior.

JTE.

STATIONS. Miles, Fare.

REEN BAY. 0 \$ ets. PPLETON 28 Ienasha..... 35

hester..... 82 Buroett......... 97

Vatertown 97

Shopiere164

ΓE A, MICH.

ation, on the arrival of the th Cars on the Peninsula

RAILROAD AND STEAMBOAT ROUTE.

FROM CHICAGO to GREEN BAY and LAKE SUPERIOR, via the CHICAGO AND NORTH WESTERN RAILWAY, connecting with the MILWAUREE AND PRAIRIE DU CHIEN RAILWAY, and with the MILWAUKEE AND ST. PAUL RAILWAY.

on a rolling prairie, producing large crops of corn and wheat.

BARHNOTON, 31 miles, is another small sw mills, two woolen factories, nachine village. Young timber, consisting of akp, foundries, &c. It was incorporated oak, poplar, basswood, and hickory, is seen in every direction, the land being shout 8,000 inhabitants.

Mayor Investor 30 miles. The should be a sound 100 miles. The should be a sound 100 miles. The should be a sound 100 miles. hilly on approaching Fox river, where an

hilly on approaching for twee, who an iron bridge spans the stream.

CARY, 38 miles, is a small settlement.

CRYSTAL LAKE STATION, 42 miles, is one mile front the village and lake of the same name. A branch railroad runs to the lake, from which large quantities of ice are annually taken and carried to Chicago, the water being of a very pure quality.

WOODSTOCK, 51 miles, capital of Mc-

On leaving CHICAGO from Kinzie street depot, the railway runs direct over a level prairie, to Des Plaines liver and Station, 16 miles. Here is a beautiful growth of wood along the margin of the river, being the first passed.

DUNTON, 22 miles from Chicago, is a small village, surrounded by a fine section of country.

Plainesville, 91 miles, is a flourishing city, capital of Rock Country, Wis. It is fluely situated on both sides of Rock growth of miles southeast of Mailson, and 63 miles southeast of Mailwankee, by railroad. It contains a court house and jail, ten churches, several public houses, two national banks, and the State institution for the blind. Rock river here fairly systems waster power, which is of country.

PALATINE, 26 miles, is finely situated affords extensive water power, which is engloyed in milis and factories of various kinds, there being six flouring miles, two

MILTON JUNCTION, 99 miles. Here the MILTON JUNCTION, 39 miles and and Chicago and North-Western Lailway unites with the Milwaukee and Prairie du Chien Railway. Passengers bound for Prairie du Chien run direct through Mudison, Wis., to the Mississippi river, forming a favorite route of travel to Iowa and Minnesota.

FORT ATKINSON, 110 miles, is an old military post and settlement situated on Rock river.

WOODSTOCK, 51 miles, capital of Mc-Henry county. is a flourishing village of about 1,500 inhabitants, being surrounded by a fertile section of country.

HARVARD, 63 miles, is a thriving village, containing 1,600 inhabitants.

The City of Watertown, 130 miles for refreshments. The Kenosha Radiroad crosses at this station, running west to Rockford, Illinois.

CINYON JUNCTION, 78 miles. The Western Union Ralicad, running from Racine, Wis., to Savanna, Ill., 142 miles, crosses at this station.

Chicago and North Western, and Müwau- being favorably situated at the mouth of make and St. Paul Railways, being distant Fox river on both sides of the stream. 151 miles from La Crosse.

Juneau, 145 miles, is a small village.

being the capital or Dodge county, named in memory of the first white settler of Wisconsin. Besides the county buildings, there are two churches, two hotels, and

MINNESOTA JUNCTION, 148 miles. Here a Railroad branches off to Beaver Dam and other stations northwest.

BURNET, 151 miles, is a small village situated on the west side of Horicon

CHESTER, 160 miles, is situated on the west side of Lake Horicon, which is this stream flowing through a fine pine about twelve miles long and six miles region of country, for which northern wide.

Wisconsin is justly celebrated.

OAKFIELD, 168 miles is a small sottle

buildings, ten churches, four banks, six public-houses, 100 stores of different kinds, a steam grist mill, ten steam saw mills, a steam car factory, steam engine manufactory, machine shops, and various other manufacturing establishments. Population, 11,000. The lumber and produce business is very extensively carried on here, affording profitable returns. Fond du Lao is celebrated for its fountains, water being found of a pure quality by means of Artesian Wells, in which the city abounds.

The City of Oshkosh, 193 miles from Chicago, lying on the west side of Lake Winnebago, 20 miles north of Fond du Lac, is a large and flourishing place, tioned a curious fact a day or two since

68

It now contains an active population of about 9.000 inhabitants. From its wharves about 9,000 inhabitants. From its wharves steamers run to all the ports on the lake and Fox river, while the Chicago and North Western Rathway extends northward to Green Bay. It contains the county buildings, ten churches, several well-kept hotels, 100 stores of different kinds, besides steam grist mills, steam saw mills, iron foundries, cabinet shops, and a great number of other manufacturing establishments. This is a great mart for lumber, being brought down the Foxor Wolf river for upwards of 100 miles. or Wolf river for upwards of 100 miles,

LAKE WINNEBAGO is a most beautiful ment.

Fond du Lac, capital of Fond du
Lac County, is a flourishing city, favorably situated at the head of Lake Winnebago, st miles N. N. W. from Milwaukee, and 176 miles from Chicago, by the Chicago and North-Western Railway, now finished through to Green Bay, a total distance of the lake. Here are located the county in through to Green Bay, a total distance of 242 miles. Here are located the county buildings, ten churches, four banks, six upwards of 100 miles, bringing down immense quantities of lumber, and agriculture. tural products.

p

The Fox River Improvement is a work of great magnitude, affording by means or locks and dams a water communication from Green Bay to Lake Winnebsgo, and thence south-westward through the Upper Fox river to Portage City, where, by means of a canal, it interlocks with the Wisconsin river, falling into the Missis-ippi at Prairie du Chien.

This enterprise is thus graphically described:

" 'MERTING OF THE WATERS.'-A gen-

situated at the mouth of " oth sides of the stream. an active population of bitants. From its wharves all the ports on the lake while the Chicago and Railway extends north-Bay. It contains the ten churches, several 100 stores of different steam grist mills, steam foundries, cabinet shops, ber of other manufacturnts. This is a great mart ng brought down the Fox for upwards of 100 miles, wing through a fine pine try, for which northern stly celebrated.

BAGO is a most beautiful being 32 miles long and wide, with bold land on while on the west it seems few feet above the waters abounds with several va-of a fine flavor, affording ne angler. Steamers run opper Fox or Wolf river, the lake at Oshkosh, for miles, bringing down imes of lumber, and agricul-

er Improvement is a work sude, affording by means or s a water communication y to Lake Winnebago, and restward through the Upo Portage City, where, by r, falling into the Missis-du Chien. ise is thus graphically de-

of the Waters.'—A gen-ly from Green Bay, men-s fact a day or two since

illustrative of the results of the completion of the Fiver Improvement. He saw Green Bay. tion of the Fliver Improvement. He saw lying at the docks in that place testamer Appleton Bella, built at Plitaburgh, and the steamer Gurden Grant, built at Philadelphia—points on opposite sider of the Alleghany Mountains, and on waters flowing on one hand to the Alleghany Mountains, and on waters flowing on one hand to the halleghany Mountains, and on waters flowing on one hand to the halleghany Mountains, and the Grant in a contrary direction through the Ohio, Mississippi, and Wisconsin; and the Grant in a contrary direction through the Delaware and Hudson, along the Frie Canal, and the chain of the Grant Here are four looks, there being a dethe Grant in a contrary direction through the Delaware and Hudson, along the Erie Canal, and the chain of the Great Lakes. These are the victories of commerce, in which Wisconsin is playing a prominent part."

NEENAII, lying at the foot of Lake Winnebago, on the west shore, is a flour-ishing village of about 2,500 inhabitants.

MENASHA, 35 miles from Green Bay, is situated on an expansion of the river, here called Lake Butte des Morts, where is a lock and a canal of about one mile in feet; with lock and dam. length. Here are several large manufacturing establishments, and a population of about 2,000.

APPLETON, Outaganie Co., Wis., 213
miles from Chicago, is situated on Fox or
Neenah river, 30 miles from its entrance into Green Bay, and five miles from Lake Winnebago, where are rapids called the Grand Chute. The river descends here about 30 feet in one mile and a half, affording an inexhaustible amount of waterpower. Here are located three flouring mills, six saw mills, and several other extensive manufacturing establishments. This is the capital of the county, where is situated the Laurence University; and it is no doubt destined to become a large it is no doubt destined to become a large Fox, or NEBNAH RIVER rises in Marmanufacturing and commercial place, from the facilities which it possesses, by Lake Winnebago, forms its outlet. This means of navigation and hydraulic power.

Population, 3,000. Steamers run south for steamers of a small class by means

Here are four locks, there being a descent of 40 feet in the river.

KAUKAUNA, 4 miles further, is a small viliage. Here are five locks, overcoming a fall of 60 feet.

WRIGHTSTOWN, 16 miles from Green Bay, is a small settlement, where is a steam saw mill and other manufacturing

establishments.
LITTLE KAUKAUNA, here is a fall of 8

DE PERE, 6 miles above then Bay, is a town of about 700 inhabitants, where is a fall of 8 feet, also a lock for the pas-

Green Bay to Fond du Lac, Wisconsin.

There is now a railroad and steamboat route, extending from Green Bay to Appleton, Oshkosh, and Fond du Lac, situated at the head of Lake Winnebago, 60 miles distant, the latter passing through Fox river and the above beautiful sheet of water.

of dams and locks, forming, in connection with a short canal to the Wisconsin river, a direct water communication from Green Bay to the Mississippi river, a distance of about 200 miles. The righds the little of the righds the righds the righds and the righds the righds the righds and the righds and rights and righds and rights and righds and rights and righds and rig Green Bay to the Mississippi river, a distance of about 200 miles. The repids in the lower part of Fox river afford an immense water-power, while the upper section of country through which it flows, produces lumber and grain in great abundance. Here is a fall of 170 feet in the distance of 35 miles, after leaving Lake Winnebago.

of a canal, 1½ miles in length, with the Wisconsin rivor, emptying into the Mis-sissippi at Prairie du Chien. It is thus on the line of water communication be-tween the Gulf of Mexico and the Gulf of St. Lawrence. The capacity of the harbor is unequalled, there being a suffieient depth of water to admit vessels of a large size, and room to accommodate all the shipping of the Upper Lakes. The Chicago and North-Western Railway terminates at Fort Howard, opposite Green Bay, boing 242 miles in length, uniting with lines of travel through Wisconsin, and connecting at its terminus with lines of Steamers running to Escanaba, Mackinac, and other ports of Canada and the United States. A railroad is proposed to be built to run from Green Bay to St. Paul, Minn., and another to run north to Escanaba—thus making a direct railroad communication from Mil-

rior.

A free drawbridge connects Green Bay with *Flyt Howard*, where is located the railroad depot, the river here being about one third of a mile in width. Docks are erected on both sides of the stream for the accommodation of vessels.

The City of Green Bay, and capital of Brown Co., Wis., is favorably situated at the head of Green Bay, where enters the Lower Fox and East rivers, both being navigable for a few miles, the former being improved, by means of locks and canals, so as to form a navigable communication with Lake Winnebago and the Upper Fox river, connecting by means of a canal, 1½ miles in length, with the

The water power of Fox river, it hav-ing a descent of 170 feet below Lake ing a descent of 170 feet below Loke Winnebago, affords advantages unsurpassed for milling and manufacturing purposes. At De Pere, 6 miles above Green Bay, where iake navigation ceases, there being a fall of 12 feet in the river, are located numerous mills and manufacturing actabilishments, the waters prover turing establishments, the water-power being as yet but partially improved, affording room for other establishments.

Green Bay, about 100 miles long and from 20 to 30 miles wide, is a spiendid sheet of water, destined no doubt to be enlivened with commerce and pleasure excursions. Here are to be seen a number of picturesque islands and headlands. Several important streams enter into Green Bay, the largest of which is Nee-nah or Fox river, at its head, and is the outlet of Winnebago Lake. Menomonee waukee and Chicago, to Lake Superior. river forms the boundary between the This latter route has become a favorite States of Wisconsin and Michigan, and

connecting at Green Bay ine of Steamers running to ch., there again connecting insular Railroad, running to Copper mines of Lake Supe-

wbridge connects Green Bay ward, where is located the t, the river hero being about a mile in width. Docks are oth sides of the stream for dation of vessels.

f Green Bay and Fort Howcontain a population of about itants, their interest being ified. Here are congregated , two national banks, ter. or sixty stores and ware-elevators, one steam grist saw mills, one iron foundry e shop, one ship yard for mers, &c.

power of Fox river, it have nt of 170 feet below Lake affords advantages unsurmilling and manufacturing At De Pera, 5 miles above where lake navigation ceases, a fall of 12 feet in the river, numerous mills and manufacolishments, the water-power t but partially improved, af-n for other establishments.

AY, about 100 miles long and 30 miles wide, is a splendid ter, destined no doubt to be with commerce and pleasure Here are to be seen a num-resque islands and headlands, portant streams enter into

the largest of which is Neeriver, at its head, and is the innebago Lake. Menomonee the boundary between the isconsin and Michigan, and

Island.

The recent improvement of the Fox and Wisconsin rivers not only opens steamboat navigation between the Bay and the head of Lake Winnehago, but it connects the Fox and Wisconsin rivers, one of which, flowing northward, falls into the Atlantic through the St. Lawthis connection a steamer can start from lantic Ocean.

empties into the bay opposite Green Island.

The recent improvement of the Fox river to Portage, through a short canal steamboat navigation between the Bay and the head of Lake Winnebago, but it down the lake to the point where it constants the Bay and the head of Lake Winnebago, it was the lake to the point where it constants the Bay and Wisconsis, rivers tracts into the Lower Fox—down this romantic river some thirty-five miles, by means of numerous canals around the rence, and the other, running southward, principal rapids, into Green Bay, and so discharges its waters, through the Missisppi, into the Gulf of Mexico. By lakes into the St. Lawrence to the At-

GREEN BAY to ESCANABA and MARQUETTE,

By STEAMER and RAILROAD ROUTE

one of the steamers of the Green Bay Transit Company for Escanaba, 100 miles, you pass through one of the most beauti-ful absets of water, connecting with Lake Michigan on the north.

The harbor of Green Bay is formed by the Fox or Neenah river, which here enters from the south, the outward channel being crooked and circuitous until the Light-house, 7 miles distant, is passed, when the bay widens, and a large ex-panse of water is presented to view. Ocorro, 30 miles north of Green Bay,

having daily communication by steamboat, is a flourishing lumbering village lying on the west side of the bay, at the mouth of a river of the same name.

LITTLE STURGEON POINT, 40 miles, lies on the east shore.

STURGEON BAY is a deep indentation, running nearly across the neck of land which separates Green Bay from Lake Michigan, where it is proposed to con-

On leaving the City of GREEN BAY in | which divides the States of Wisconsin which divides the States of Wisconsin and Michigan. This is a large and flour-ishing lumbering village, from where are annually shipped large quantities of lumber to Chicago, and seatern markets.

GREEN ISLAND, 60 miles, belog half-way to Escanaba, lies in the middle of the bay, where is a light-house to guide the market.

the mariner.

HAT ISLAND and STRAWBERRY ISLAND are small bodies of land passed on the east, near the main shore.

CHAMBER'S ISLAND, 75 miles, is a large and fertile body of land, lying near the middle of the bay, here being about 20 miles wide.

PORT DES MORTS, or DEATH'S DOOR, is

FORT DES MORTS, OF DEATH'S DOOR, is the entrance into Lake Michigan, sepa-rating the main land from Washington Island, on the north, which is attached to the State of Michigan. To the east lie the broad waters of Lake Michigan.

which separates Green Bay from Lake

Chark River, 90 miles, enters from
Michigan, where it is proposed to construct a ship canal.

Menoment, the whole west shore of Green
Menoment, the whole west shore of Green
mouth of the river of the same name, and other kinds of timber.

Bay de Noquet, 30 miles distant, affording a view of the waters of Lake Michigan on the east, while to the north lies Great Bay de Noquet, about 10 miles wide and

20 miles in leugth.

PENSAUKER, PESHITIGO, and other towns are springing up on the west shore of Green Bay, where are to be found numerous large lumber establishments, situated on the streams running into the

THE SOANABA, Delta Co., Michigan, is a wand promising town, situated on the stern shore of Little Bay de Noc. 120 Attern shore of Little Bay de Noc, 120 to les north of the city of Green Bay, and a the southern terminus of the Peninsula Ratiroad of Michigan. This place, laid out in the Spring of 1864, has commanding advantages, where is a good and severe harbor, of easy access, with a sufficient depth of water for the largost class of vessels navigating the lakes. The docks erected by the railroad company are of a substantial and commodious character, intended for the transhipment of iron and copper ore from the Lake Suof iron and copper ore from the Lake Su-perior mines, distant about 65 miles. The sife of the town lies on Sand Point,

The Steamer now runs direct for Lattle law de Noquet, 30 miles distant, affording in the east, while to the north lies Great law de Noquet, about 10 miles wide and 10 miles in leugth.

Pensaukee, Peshitido, and other towns ire springing up on the west shore of Ireeu Bay, where are to be found nuncrous large lumber establishments, sit stated on the streams running into the Steamard, Delta Co., Michigan, is a wand promising town, situated on the

wharf at Escanaba, through a new and wild section of country to Negonnee, 62 miles, there intersecting the Bay de Noquet and Marquette Railroad, 14 miles above Marquette, forming a through line of travel. of travel.

The Bay de Noquet and Marquette, and The Bay de Noquet and Marquette, and the Marquette and Ontonagon Ratiroads, form a connection at the iron mines, and now extend to Lake Michigommi, 40 miles from Marquette. This important road will be extended to Ontonagon, 120 miles, also, to Portage Lake, thus connecting the iron and copper regions of Lake Superior. perior.

e # d bas



lavorable view of the waters day lying to the south, and de Noo on the north. The laid out at right engies, with o grounds adjoining the wateress and warehouses are about ted, also a church, and a first. The future of this place is edict, its growth being identiaries rich mineral deposits of the insuia of Michigan, bordering aperior.

insula of Michigan, bordering inperior.
insular Rairoad runs from the Escanaba, through a new and in of country to Negonnee, 62 intersocting the Bay de No-Marquette Railroad, 14 miles quette, forming a through his

quette, forming a through lins
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uette and Ontonagon Ratiroals,
nnection at the iron mines, and
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quette. This important road
tended to Ontonagon, 120 miles,
Portage Lake, thus connecting
and copper regions of Lake Su-



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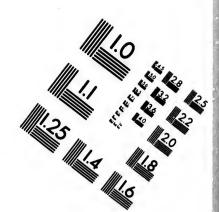
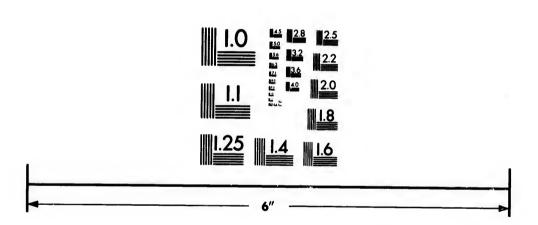


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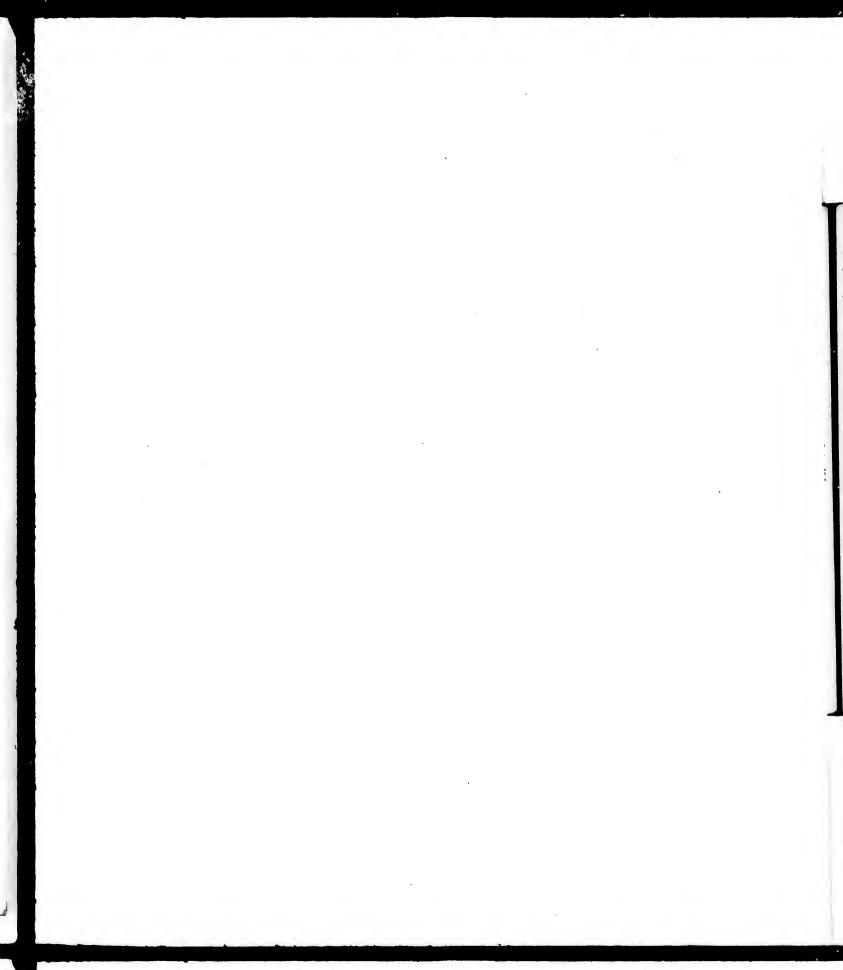
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MILWAUKEE TO MADISON & PRAIRIE DU CHIEN,

CATVIA MILWAUKEE AND PRAIRIE DU CHIEN RAILWAY, CONNECTING WITH



Going West, Through Passenger Trains Leave Milwaukee at 11 A. M. and 9 r. M.	Officers. L. H. Meyer, Pres., N. York. S. S. Merrill, Gen. Man., Milwaukee.	Going East. Through Passenger Trains leave Prairie du Chien at 7.50 A.M. and 9 P.M.
STATIONS. Miles. Fare.	Connecting Lines.	STATIONS. Miles. Fare.
Milwarkee	Railroads and Steamers. Milwaukee and St. Panl R. R., for Watertown, Portage City, La Crosse, etc. Chicago and Northwestern R. R., running from Chicago to Green Bay, etc. Beloit and Madison R. R. Wisconsin River. Mississippi River & McGregor Western R. R. Steamers for St. Paul, etc.	Wauzeka 18 Woodman 22 Boscobel 28 Muscoda 48 Avoca 49 Lone Rock 55 Spring Green 62 Arena 69 Masomanie 75 Black Earth 79 Cross Plains 84 Middleton 92 Madison 98 MoFarland 105 Stoughton 113 Edgerton 123 Milton Junction 130 Milton 122 WHITE WATER 143 Palmyra 167 Genesee 167 Genesee 167 Genesee 167 Genesee 167

The MILWAUKES and Prairie Du Chien Railway, in connection with the Derrors and Milwaukes Railroad, and other Railroads, form a direct Line of Travel from the Eastern States and Cauada, to the Mississippi River.

CHICAGO to MILWAUKEE, LA CROSSE & ST. PAUL

VIA CHICAGO AND MILWAUKEE, AND MILWAUKEE AND ST. PAUL RAILROADS.

Going North. Through Passenger Traina leave Chicago for Milwau- kee, &c., at 9 A.M. and 8.46 P.M.		waukee, etc., at 5 A.M. and 9 P.M.	
S1_TIONS Miles. Fare.	Connecting Lines.	STATIONS. Miles, Fare.	
Rosehili	Chicago & NorthWestern Rail- way running to Green Bay Wisconsin River.	Depart, A.M.& P.M. (Chicago & Milwaukee R.R.) Oak Creek 204 Racine 218 Racine Junotion 220 KENOSHA 228 Sta e Line 235 WATEROAN, III 245 Rockiand 250 Lake Forest 252 Lighiand Park 257 Glencoe 281 Winnetta 284 Evanston 284 Evanston 285 Rockiiii 247 Reachilli 272	

STEAMBOAT ROUTE FROM LA CROSSE TO ST. PAUL, MINN.

On the arrival of Through Trains at La Crosse, from Chicago and Milwauker, passengers are immediately conveyed by Steamers, running on the Mississippi River, to Sr. Paul and sil the intermediate landings—affording the most direct and speedy route to the Upper direct speedy.

ROSSE & ST. PAUL

AND ST. PAUL RAILROADS.

· Going S	outh.
Through Passe leave La Cro waukee, etc., and 9 P.M.	nger Trains
STATIONS.	Miles, Fare.

LA CROSSE 0 \$ cts.

West Salem ... 11
Sparta 25
Greenfield 39
Lisbon 63
Manston 68
Kilbourn City 90
Pontage Citt 104
Columbus 132
WATERTOWN 152
Oconomowo 164 R. Oconomowoo ...164 Milwuukee195

Depart, A.M. & (Chicago & Milwaukes R.R.)

(Chicago & Milwaukee R.R.)
Oak Creek ... 204
Raclue... 218
Racine Junction. 220
KKENOSHA... 228
sail. 81a e Line... 235
WAUKEGAN, Ill... 245
Rockland... 226
Lake Forest... 252
Highland Park... 257
Glencoe... 261
Winnetka... 264
Evanston... 268
Roschill... 272
ppi CHICAGO ... 280 Il 00
Arrice,

Arrive.

AUL, MINN. CHICAGO and MILWAUKEE, passenthe Mississippi River, to St. PAUL ect and speedy route to the Upper

LOUTE ... erest

RAILROAD ROUTE from MILWAUKEE to MADISON and PRAIRIE du CHIEN.

quality of limestone, quarried in the in-mediate vicinity. There are 6 churches, 2 banks, an institution styled Carroll Col-

2 banks, an institution styled Carroll College, several public houses, a flouring mill, iron foundry, a machine shop and car factory. The population of the village is about 3,000.

WHITE WATER, 50 miles, is a thriving village, situated on an affluent of Rock river, where is a good water power. Here are 5 churches, 2 banks, flouring mills, a paper mill, and other manufacturing establishments. The population in 1860 was 2.731. in 1860 was 2,731.

MILTON JUNCTION, 63 miles, is situated 99 miles north of Chicago. Here crosses the Chicago and North-Western Railway, running to Green Bay, 143 miles distant.
The Railroad route from Milton Junc-

tion to Madison, 32 miles, runs through a good section of country, where lie seversi beautiful bodies of water, forming the head sources of Rock river, which a small steamer, which affords a most deriver in its course to the Mississippi lightful excursion around the lake.

drains the finest portions of Wisconsin and Illinois.

This beautiful city and its vicinity is much frequented by plessure seckers as

4 n n n

This popular and direct route of travel, running from Lake Michigan to the Mississippi river, runs for the most part through a rich agricultural section of country, passing through several inportant cities and villages.

At the Junction, 14 miles, the Mississippi river, runs for the Milwaukee and St. Paul Railway diverges towards Watertown, forming a line of towards Watertown, forming a line of travel to La Crosse and St. Paul.

WAUKESHA, 20 miles, is a flourishing village, and the capital of Waukesha county, situated on Fox river. The country, situated on Fox river. The country is strated on Fox river. The cut of a fine quality of limestone, quarried in the initial control of the surrounding lakes, and in the centre of a public park adorred. beautiful structure, standing 70 feet above tine level of the surrounding lakes, and in the centre of a public park adormed with beautiful forest trees. The Uni-versity of Wisconsin, which was insti-tuted in 1849, stands on an eminence one mile west of the capitol, on ground elevated about 125 feet above the lakes. The Wisconsin Historical Society is a flourishing and highly useful institution. It possesses a rare library of choice books It possesses a rare library of choice books and many fine specimens of great interest. The city contains 12 churches, 4 banks, 4 hotels, 75 stores, a woolen factory, 2 iron foundries, several steam mills, and other manufacturing establishments. It contained, in 1865, 9,191 inhabitants.

Here are four beautiful lakes in the immediate vicinity of the different lakes.

immediate vicinity of the city: Lake
Mendota, the largest, which lies on the
north side, is 6 miles long by 4 miles
wide, being a lovely sheet of water, with
clean, gravelly shores and bold banks.
Lake Monona is rather smaller, and floats

a place of summer resort. The author of "Western Portraiture" gives the following lively sketch of this place and its environs: "Madison perhaps combines and overlooks more charming and diversified scenery to please the eye of fancy and promote health and pleasure than any town in the West: and in these respects it surpasses every other State capital in the Union. Its bright clear lakes, fresh groves, rippling rivulets, shady dales, and flowery meadow lawns, are commingled in greater profusion and disposed in more picturesque order than we have ever elsewhere beheld. Nor is it less noteworthy for its business advantages and its healthy position."

The railroad route west of Madison passes through a brown and hilly section of country producing large crops of wheat and other kinds of grain, although not so thickly settled as the more favored portions of the State.

Moso-Mann, 23 miles from Madison, is a flourishing village, surrounded by a good section of country, which becomes more laws and the more processes the Wisconsin River, cosses the Mississippi from the Mississippi river to be business advantages and its healthy position."

The milroad route west of Madison passes through a brown and hilly section of country producing large crops of wheat and other kinds of grain, although not so thickly settled as the more favored portions of the State.

Moso-Mann, 23 miles from Madison, is a flourishing village, surrounded by a good section of country, which becomes more exact a way proceed westward toward.

For a description of Praners the Mississippi from Lower Prairie du Chien to McGregor, Jones and the process of the Mississippi from Lower Prairie du Chien to McGregor, Jones and the process of the Mississippi from Lower Prairie du Chien to McGregor, Jones and Jones and

nons or the State.

Mosc-Mann, 23 miles from Madison, is a thriving village, surrounded by a good section of country, which becomes more sandy as you proceed westward, toward the valley of the Wisconsin river.

For a description of PRAIRIE DU CHIEN. see p. 42.

Table, showing the Elevation of several Places above the Gulf of Mexico.

	Feet.	
Cairo, Illinois	275	Crow Wing, Minn
Et Louis Missouri	335	Itasca Lake, Minn
Aiton, Illinois	246	
Rock Island, Illinois	528	Lake Michigan, at Chicago, Ill 578
D. buque, Iows		Lake Winnebago, Wisconsin 748
Prairie du Chien, Wis	602	Lake Superior 600
La Crosse, Wis	632	Lake Huron 576
Prescott, Wis	677	Jake St. Clair 570
St. Paul, Minn	690	Lake Erie 565
St. Authony, Minn	760	Lake Ontario 232

A, 35 miles west of Madison, track crosses the Wisconsin s stream is navigable for a of steamers from its mouth to,
, where is constructed a canal,
, Fox river, which empties
bago Lake, thus forming a
nunication, when the river
in the Mississippi river to
and thence into Lake Michi-

aukee and Prairie du Chien nitinues on the north side of River, passing through its th is fringed with hills or any places, the soil being sandy improductive.

nproductive, 70 miles west of Madison, ning village, situated on the or small villages are passed hing Prairie du Chien, which to two villages or settlements. rry crosses the Mississippi Prairie du Chien to McGregor,

ription of PRAIRIE DU CHIEN,

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ral Places above the

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	Feet.
Minn	1,100
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gan, at Chicago, Ill	
ebago, Wisconsin	- 748
ior	600
1	576
ы́г	570
	565
0	232

. I it was as I be being at a. Railroad Route from Milwaukee to La Crosse, Via MILWAUKEE AND ST. PAUL RAILBOAD.

TRIS favorice railroad route runs west | City, 109 miles, where the Wisconsin om Milwaukee, through a fine section river is passed toward Lisbon, 135 miles. from Milwaukee, through a fine section of country, to Watertown, 44 miles; there connecting with the *Chicago and North-western Railway*, running north to Fend du Lac, and Green Bay, the latter being 155 miles north of Milwaukee.

being 155 miles north of Milwaukee.

A railroad extends westward from the Waterburn Junction, to Sun Prairie, to near Madison, the capital of the State, while the main line extends north-west, through Columbus to Porrage Cirry, there uniting with the line of the La Crosse and Milwaukee Railroad proper, running through House healt rail road. running through Horicon, about half way from Milwaukee.

At Portage Cij the Fox River Canal is passed, which unites the waters of the Wisconsin river with Lake Michigan, by

passed, which unites the waters of the Wisconsin river with Lake Michigan, by means of the Fox river Improvement, terminating at Green Bay.

The Fix River Canal, 14 miles in length, flows from the Wisconsin river, at Portage City, into Fox river, thus uniting the tributary waters of the Mississippi and St. Lawrence rivers. The fall of water in the canal is 7 feet, sffording good hydraulic power for propelling mills, and other manufacturing purposes. The elevation of the water, at Portage City, Wis, is 773 feet above the ocean, better the canal is 7 feet above the ceen, and 173 feet above the Mississippi, at the mouth of the Wisconsin river.

From Portage City, the Milwaukes and St. Paul Railway runs through Kilbourn

St. Paul Railway runs through Kilbourn

The railroad truning through a fine section of country.

From Sparta it is proposed to run a railroad north-west to opposite Winona, Minn., a distance of about 60 miles, crossing Black river, which is a fine stream flowing into the Mississippi into the Mississippi and the care commodious freight houses and the steamboat landing. Passengers are carried to and from La Crosse, half a mile stream of the steamboat landing. Passengers are carried to and from La Crosse, half a mile stream of the steamboat landing. Passengers are carried to and from La Crosse, the railroad truning through a fine section of country.

The railroad running through a fine section of country.

The railroad rounding through a fine section of country.

The railroad rounding through a fine section of country.

The railroad rounding through a fine section of country.

The railroad rounding through a fine section of country.

The railroad terminates at North La Crosse, and affording along its valley an amount of pine timber.

The railroad terminates at North La Crosse, and affording along its valley an are commodious freight houses and the stream of pine timber.

The railroad terminates at North La Crosse, and affording along its valley an and crosse, and affording along its valley an area com

tiver is passed toward Lisbon, 135 miles. Here is a fine section of country, which is soon followed by a barren section, being, for the most part, clothed with a small growth of trees, while the soil is light and sandy.

Near Greenfield Station, 157 miles from Milwaukee, and 38 miles from La Crosse, are encountered the dividing bluffs which saverate the La Crosse Valler from the

are encountered the dividing bluffs which separate the Ia Crosse Valley from the tributaries of the Wisconsin river. Here is a tunnel, 68 rods in length, through which the railroad track passes, and poor land continues until near SPARTA, 27 miles from the Mississippi, when the rich La Crosse valley is reached and followed, the miles of the will be suffered to the result of the the railroad running through a fine sec-

Climate of Wisconsin.

Wisconsin, lying between 42° 30' and 47° north latitude, extending to the south shore of Lake Superior, being bounded on the east by Lake Michigan, and on the west by the Mississippi river, is geographically considered one of the most highly favored of the States. "Its latitude would indicate a rather cold climate. Meteorological observations have demonstrated, however, that the mere circumstance of latitude is an unsafe criterion by which to judge of temperatures, since, within a given zone, owing to peculiarities of position, and configuration of surface, it not unfrequently happens that the terms north and south lose all their significance as indices of the distribution of heat.

"Bounded by great lakes on the north

"Bounded by great lakes on the north and east, and exposed on the south and north-west to the warm, moist winds of tropical seas in summer, and to the cold, and dry winds of sub-Arctic regions in winter, the scientific climatologist might with certainty predict an extensive range of temperature for the year between the maximum and minimum of summer and winter, respectively, as also between the mean or average of one and the other of these extreme seasons. And the results these extreme seasons. And the results of numerous actual observations, extending through a series of years, show that the causes named do really produce those anticipated contrasts and local peculiarities, and to a very remarkable extent modify the climate of the State.

"Beginning with Spring, the season of planting, and early vegetable growth, and one of the most interesting of all, is induced the most indicates a mean temperature of elevate the mean temperature of winter,

"The Isothermal Lines (lines passing through points whose Summer temperature is equal) are also worthy of special attention. It will be observed that the mean of '10' Fahr. (which is the average temperature of Southern New York, and of Northern Ohio, Indiana, and Illinois) twhen it reaches Chicago, in its western course, suddenly bends northward, entering Wisconsia at Beloit, in Rock county, passing through Madison, the capital of the State, and hen bears north-wertward the State, and then bears north-wertward to the country of St. Croix, whose vestern boundary it cuts near Prescott, situated at the mouth of the St. Croix river, and

colliarities, and to a very remarkable extent modify the climate of the State.

By a reference to I. A. LAPHAN'S "Climate of the State.

By a reference to I. A. LAPHAN'S "Climate Map of Wisconsin," the range of summer and winter temperatures is most and one of the most interesting of all, is that which indicates a mean temperature of the Great Lakes tending to elevate the mean temperature of winter, of 45° Fahr., for the season embracing

STEAMBOAT EXCURSION.

FROM DUBUQUE to Sr. PAUL, Minn., GIVING A DESCRIPTION of the CITIES, and VIL-LAGES, and OBJECTS of INTEREST on the UPPER MISSISSIPPI RIVER

On starting from Dubuque, by Steamer, the river here being about half-a-mile wide, you en-counter low wooded islands, which are continually in sight from the deck or the fleet boat.

and May. Commencing at nn., or Hudson, on the St. it passes successively, in a irection, to near Portage, dison, and there by a rapid scent to Chicago, Ill.; thus

t the mean temperature of high in the north-western State, even as far north as

t is in Chicago, in northern is is a remarkable fact, and, ally knewn, can not fail to rroneous impressions which as to the agricultural capa-imate of north-western Wisthermal Lines (lines passing

thermal Lines (lines passing its whose Summer temperail) are also worthy of special
it will be observed that the
Fahr. (which is the avorage
of Southern New York, and
Ohio, Indiana, and Illinois)
these Chicago, in its western
tenly bends northward, enterin at Beloit, in Rock county,
ough Madison, the capital of
di then bears north-wertward
di then bears north-wertward

d then bears north-westward y of St. Croix, whose vestern cuts near Prescott, situated

h of the St. Croix river, and strikes St. Paul, continuing

ward Pembina, situated on er of the North."

rence to L. A. LAPEAN'S "Cli-'Wisconsin," the range of sum-rinter temperatures is most and singularly shown; the the Great Lakes tending to

mean temperature of winter, ing that of summer.

which is alike calculated for the accommodation of passengers and for the carrying of freight.

The bluffs on either side of the stream, of lead and agricultural products are rising from 100 to 400 feet above the water, are also continually in sight, being separated from one to five miles asunder, with wooded sides, or prairie-like appearance of the interior. No language oan describe the beauty and picturesque variety of these bluffs and islands, as of ore; while the agricultural products are the stream of the west side of the Mississippi, in Clay-ton county. Lead mines are worked in this vicinity, producing large quantities of ore; while the agricultural products are worked in the stream of the stream of the west side of the Mississippi, in Clay-ton county. Lead mines are worked in this vicinity, producing large quantities of ore; while the agricultural products are shipped. Population, about the water are also continually in sight, being a stream of the water are also continually in the agricultural products are shipped. Population, about 1,000.

region.

Porosi, Wis., 15 miles, is a flourishing town in Grant county, lying near the mouth of a stream of the same name. It is situated in a narrow and picturesque valley or ravine, through which the water flows. The town is divided into three settlements or villages, namely, Dublin, Lafuyette, and Van Buren, alto-gether, being the most important place in the county. Large quantities of leed are mined in this and the adjacent counties, and shipped at Potosi in steamboats. Here are congregated about 2,000 in-



1,200.

CLAYTON, Iowa, 12 miles further, is another flourishing village on the west side of the river. A large quantity of the surplus produce of Clayton county is shipped by steamboats at this pisce. Lead mines are worked near Clayton with considerable success. Population, labout 1,000 about 1,000.

about 1,000.

CLAYTON COUNTY, Iowa, extends 30 or 40 miles along the west bank of the Mississippi, and contained, in 1865, 21,922 inhabitants, mostly being engaged in agricultural pursuits. There were produced the same year in the county 827,063 bushels of wheat, 934,881 bushels of corn, and 607,928 bushels of cats, besides large quantities of other agricultural products. Here are congregated about 2,000 inhabitants.

BUENA VISTA, Iowa, 15 miles further,
is a small village lying on the west side
of the Mississippi.

CASSVILLE, Wis. 3- miles above Dubuque, is a flourishing village and steamboat landing, from which large quantities

Mississippi river, is an incorporated city of

was the to decemb a godd to the to be to see.

growing importance. It lies nearly opposite Prairie du Chien, Wis., which is the western terminus of the Mihaaukee and Prairie du Chien Railway, being in close connection with both Milwaukee and Chicago by railroad routes. It was long through Madient and the connection with both Milwaukee and Chicago by railroad routes. It was long through Madient and the connection with both Milwaukee and Chicago by railroad routes. It was long through Madient and the connection with the connectio connection with both Milwaukee and chicago by railroad routes. It was long known as "McGregor's Landing," being Prairie du Chien, ia a small settlement the depot of a large grain and produce market of wide extent, the interior country being very fertile and rapidly increasing in wealth and population. Here are several hotels, two banks, lumber yeards, planing mills, saw mills, and other manufacturing establishments. Population, in 1865, 1900.

The McGregor's Western Railroad ex-

The McGregor Western Railroad ex-tends north-westward to the State Line, there connecting with the Minnosota Central Railroad, which is being con-structed northward to St. Paul. It will

Central Railroad, which is being constructed northward to St. Paul. It will also extend westward to the rich coal region of the Des Moines valley.

Frairie du Chier, Wis., is an old and interesting town, situated on the east side of the Mississippi river, 4 miles north of the mouth of the Wisconsin river, which is here elevated 600 feet above the Gulf of Mexico, being 71 miles above Dubuque, and 292 miles a few in 194 miles west of Milwaukee, and 229 miles north-west of Chicago. The site is a level prairie, one or two miles wide, inclosed on the east by rocky bluffs, which stretch along the Mississippi on both sides for hundreds of miles. It is the western terminus of the Mikaukee and Prairie dis Chier. Railway, which runs through Madison, the capital of the State of Wisconsin, 98 miles distant. It contains 6 churches, a bank, several public houses, stores, and store houses. Population, in 1865, 3,556.

Prairie du Chiez, is connected with McGregor, Lowa, by means of a steam The to

turing establishments, a national bank, 8 churches, hotels, stores, and warehouses, it being a great depot for wheat and other produce. Pop., in 1865, 1,675. DE SOTO, Wis., 36 miles above Prairie du Chien, is a small settlement on the east side of the river. Vitrovor, Wis., 10 miles further, is another small settlement. Here the river better is wide and numerous islands are

bottom is wide, and numerous islands are

passed.

BAD AX CITY, Wis., 56 miles above
Prairie du Chien, in Vernon county, is the name given to a small village situated a few miles above the mouth of Bad Ax

river.

Brownsville, Houston co., Minn., is favorably situated on the west bank of the Mississippi, 12 miles below La Crosse, being surrounded by an agricultural district of country producing large crops of wheat and other farm products. This town was laid out in 1853, and is a companying point of growing importance. western terminus of the Milwaukes and Prairie du Chien Railway, which runs through Madison, the capital of the State of Wisconsin, 98 miles distant. It contains 6 churches, a bank, several public houses, stores, and store houses. Population, in 1865, 3,556.

Prairie du Chien is connected with McGregor, Iowa, by means of a steam horry: it is also a great place for transhipment to the Upper Mississippi, several lines of steamers stopping here daily

ard and downward trips
to Dubaque and St. Louis.
d route from Milwaukee to
en, passing through Madiseribed on page 27.
Wis., 14 miles sbove
len, is a small settlement
at side of the river.
wa, situated on the west
esissippi river, in Alamakee
he northern border of the

he northern border of the les north of Dubuque, is place, being first settled are are several manufac-tered and the settled the several manufac-teriors, a national bank, hotels, at ores, and ware-ig a great depot for wheat duce. Pop., in 1865, 1,675. Vis., 38 miles above Prairie a small settlement on the

Wis., 10 miles further, is settlement. Here the river e, and numerous islands are

rry, Wis., 58 miles above plen, in Vernon county, is no to a small village situated bove the mouth of Bad Ax

LE, Houston co., Minn., is ated on the west bank of oi, 12 miles below Le Crosse, ded by an agricultural disry producing large crops of other farm products. This is out in 1853, and is a companying importance. a out in 1853, and is a com-oral stores, and store-houses in which are shipped large wheat. Population, 800. thom is here wide, with nu-ds, the water rising and point usually about 15 feet, and above high water mark nds above high-water mark, and picturesque bluff, called untain, elevated 500 or 600 river.

The City of La Crosse, La Crosse co., Wis, is sitrated on the east side of the Mississippi river, 84 miles ubove Prairie (a) Chien, standar (3) feet above la Gulf of

stand of Gill of Mex. 1. 210 miles below St. Paul, and 1.71. 1.10 miles below St. Paul, and 1.72. 1.10 miles below St. Paul, and 1.73. 1.10 miles below St. Paul, and 1.74. 1.10 miles below St. Paul, and 1.75. 1.10 miles below St. Paul, and 1.75. 1.10 miles below St. Paul, and 1.75. 1.10 miles will mean or autumn months, nothing can exceed the search of the water below. If to this sublime the water below. If to this sublime of active, a chop and boiler shop, founderies, 1 ship yard, thrashing machine factory, 1 reaper and piow factory, 2 fanning mill factories, 2 flouring mills, 1 woolen factory, and 4 printing offices, besides many other kinds of mechanics' shops. The town is beautifully laid out in squares, and shade trees, consisting of elm, maple, and locust, adorn the streets. It is favored with a banks and the heavens above; then the bell is sounded, and the impatient steamer Minnesota and the surrounding country, embracing the valleys of Black and La Crosse rivers.

This magnificent stream above Dubuque presents varied beauties of the most romantic and picturesque character. presenting a labyrinth that seems exactly by moonlight from the deck of ceedingly intricate to all but the practiced

Minnesus the valleys of Discourses embracing the valleys of Discourses embracing the valleys of Discourses embracing the same as time as on after the sun rises on asseveral times daily on their upward and downward trips during the season of navigation.

The sun effect during the day, if clear, is equally magnificent when passing the castellated bluffs which line both shores for many miles above in Crosse, the water below reflecting in splendor all the colors and inequalities of the elevated headlands, as well as the rich forest trees that line its banks.

LA CRESCENT, Minn., lying nearly op-posite La Crosse, is a steamboat landing. The village is situated on high table-land, about half a mile from the river. Here are 2 churches, 3 public houses, and several stores and store-houses. Population, 500. It is in contemplation to construct a railroad from this place to Winona, 40 miles, running along the west bank of the Mississippi.

pilot, who, from his cyrle in the wheelhouse, directs the motions of the steamer
as if she were a thing of life. It is utterly
impossible for pen or brush to describe
the varied beauties of the Upper Mississippi—nothing but a visit to its romantic
valley, from one to ten miles in width,
with rocky bluffs, partly clothed with
green verdure, can convey any idea of its
pure dark waters, green banks, and the
blue sky here witnessed during most of
the season of navigation:

The villages and settlements that lie
sestical along its shores at intervals of
some ten or twelve miles, inhabited by
sn intelligent class of people, giving life
to the scene, altogether stamps this noble
stream as exceeding all others on the
continent of America, if not in the wide
world.

The first white settlement was made

The first white settlement was made The first white settlement was made in this place during the fall of 1851. In 1857 a charter was granted, and it was then regularly organized as a city. Population, in 1860, 2,468; in 1865, 4,439. Besides the city and county buildings, there is situated the Minnesota State Normal School, now in a very prosperous condition, 12 churches, 3 banks, 1 steam grist mill, 2 steam saw mills, 2 machine shops, 1 foundery, and several factories of agricultural implements, furniture, &c. Its hotel accommodations are good, there being several well-kept houses.

miles, running along the west bank of the Mississippi.

RICHMOND, Minn., 18 miles above La Crosse, is a small settlement in Winona county, where the steamers usually stop to receive passengers and freight.

TREMPELAU, Wis., 23 miles above La Crosse, situated in Trempeleau county, near the mouth of a river of the same near the mouth of a river of the same name, is a flourishing village, surrounded by a rich agricultural country, producing large crops of wheat and other agricultural products. Here are several stores and store-houses, and about 1,000 in-

with several large islands viacousin shore, while the ly grand and beautiful.

The several large islands viacousin shore, while the ly grand and beautiful.

The several large islands with the ly grand and beautiful level we west bank of the Missis185 miles above Dubuque, a below St. Paul. It is surafertile, well-cultivated, and tion of country, being conthe Wisconein side, by a It is the western terminus and St. Peter Railread, and in running order ass farleater, 50 miles, and is being: runted weat of that point to arriver.

a river. white settlement was ma

during the fall of 1851. In ter was granted, and it was y organized as a city. Popu-860, 2,468; in 1865, 4,439, city and county buildings, uated the Minnesota State ol, now in a very prosperous churches, 3 banks, 1 steam steam saw mills, 2 machine dery, and several factories of implements, furniture, &c.

well-kept houses. r the largest wheat market and not second to any west ssippi river. The receipt of 0 was 1,600,000 bushels, and o was 1,600,000 busnels, and ling year has marked some his respect, it being justly, he entrepot of southern and, mesota. A Railroad is now of construction to extend, I to Winona, running for the the weat side of the river.

for the festions and or deal of mail results to wise ted Winona and St. Peter Railway,

Winished to Wassey CK

Timened to wassen, on mines.	
STATIONS.	Miles.
Winona:	. 0
Minnesota City	. 6
Warren	2 -8
New Boston.	6-14
Greenwood	6-20
Richland	6-25
St. Charles	8-28
Saratoga	2-30
Ohatfield	8-38
Preston	2-40
ROCHESTER	10-60
	15-65
Mantorville	3-68
	16-84
	13-07
St. Peter	150
Connecting with Steamers	n the
Minnesota river, when finished.	

FOUNTAIN CRTT, Wis., 12 miles above Winona, is a flourishing village, situated on the cast side of the Mississippi, where are a convenient steamboat landing and several stores and store-houses. Popula-

several stores and store-houses. Population, 600.

The beauty of the river scenery increases as you proceed on the upward trip toward Lake Pepin. The bluffe often appear like castles, being 500 or 500 feet in height; their shadows, being reflected in the pure waters below, seem like enchantment to the beholder.

MOUNT YMMON, Minn., is a landing and small settlement in the north part of Winona county.

MINNZISKA, Minn., is situated on the west bank of the Mississippi, at the mouth of Whitewater river, 130 miles below St. Paul. Here are shipped annually about 400,000 bushels of wheat, besides oats, barley, wool, butter, &c. Population, about 500.

ALMA, Wis., is a small village situated near the mouth of Buffalo river. Large quantities of wheat are annually shipped from this landing.

WABASHA, Minn., 249 miles above Dubuque, and 114 miles below St. Paul, is the county seat of Wabasha county. It buque, and 114 miles below St. Paul, is the county seat of Wabasha county. It contains a court-house, 4 churches, an academy, 3 hotels, 20 stores, and several large warehouses for the storage of grain and shipping purposes. The wheat trade is very large at this point, as Wabasha is the shipping mart for several counties in Minnesots, and the fertile and wealthy valley of the Chippewa, in Wisconsin. It is one of the most promising of the young cities of the State, having a fine location near the foot of Lake Pepin.

REED'S LANDING, Minn., 4 miles above Wabasha, is situated opposite the mouth of the Chippewa river, and at the foot of Lake Pepin, 35 miles below Red Wing. It is a flourishing village, from which large quantities of wheat are transhipped. As the river both above and below Lake Pepin opens earlier in the spring than the lake, passengers destined for points above are conveyed by coaches to Red Wing, and there re-embark.

LAKE PEPIN, an expansion of the Mississippi river, lying 670 feet above the Gulf of Mexico, being about 30 miles in length and 3 miles wide, is a most lovely aheat of water, lying between the States of Minnesots and Wisconsin. Here may be seen abrupt headlands, bluffa, and picturesque prairie slopes of great heauty; added to which, the purity and healthy influence of the Lake and surrounding country render this vicinity one of the most inviting resorts on the waters of the Upper Mississippi.

The villages and landings on both thores are being annually visited by great numbers of seekers of health and pleasure, during warm weather, and the early fall

numbers of seekers of health and pleasure, during warm weather, and the early fall months.

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The Maiden's Rock-Lake Pepin.

(Copied from Harper's Magazine, July, 1853.)



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THE MAIDEN'S ROOK.

"Toward noon we entered that grand expansion of the Missiesippi, called LAKE PEPIN. Its width is from three to five

passer-by; and as each passer-by always repeats it, I will not be an exception. It is a true tale of Indian life, and will forever hallow the Maiden's Rock, or

forever hallow the Maiden's Rock, or Lover's Leap.
"Winona, a beautiful girl of Wapasha's tribe, loved a young hunter and promised to become his bride. Her parents, like too many in Christian lands, were ambitious, and promised her to a distinguished young warrior, who had amitten manfully the hostile Chippewas. The maiden refused the hand of the brave, and clung to the fortunes of the hunter, who had hear driven to the wilderness by menuces to the fortunes of the hunter, who had been driven to the wilderness by mennces of death. The indignant father declared his determination to wed her to the warrior that very day. The family were encamped on Lake Pepin, in the shadow of the great rock. Starting like a frightened fawn at the oruel announcement, she swiftly climbed to the summit of the cliff, and there, with bitter words, reproached her friends for their cruelty to the hunter and her own heart. She then expansion of the Mississippi, called Lake Print. Its width is from three to five miles, and its length about twenty-five. It is destitute of islands, and all along its ahores are high bluffs of picturesque forms, crowned with shrubbery, and commingied with dense forests. The white man has not yet made his mark upon Lake Pepin and its surroundings; and leaped from the loty pinacle, and felication is mighty watch-towers in all their primal beauty and grandeur. High shove all the rest loomed the bare front of the Mniden's Rock, grand in nature, and interesting in its romantic associations. It has a sad story to tell to each

The Sun rising on Lake Pepin.

During warm weather, when a calm state of the atmosphere prevalls in this latitude, the waters and shores of Lake Pepin present a grand and beautiful appearance. The break of day is often announced by a golden sky in the east, fringing the horizon gradually giving way to a silver tint as the rising sun makes its appearance. Then the beauty of the land and water is enhanced by a contrast of colors, the silvery tint being , ren to the water, like unto a mirror of vast proportions, reflecting the sun so as to dazzle the eye in its direct rays, while the yellow bluffs and the green foliage of the forest give a grandeur and beauty to the scene as witnessed from the deck of an scending or descending steamer—the only perceptible motion of the air being caused by the speed of the steamer, while the lungs draw in this healthy and life-restoring infinence, rendering the spirits buoyant and hopeful. A thin gossamer mist, or fog, sometimes rises in portions of the lake, giving another variety and interest to the scene, which an ascending or descending steamer— the only perceptible motion of the air-being caused by the speed of the steamer, while the lungs draw in this healthy and life-restoring infinence, rendering the spirits buoyant and hopeful. A thin gossamer mist, or fog, sometimes risca in portions of the lake, giving another va-riety and interest to the scene, which when disnelled by the non-day sun an when dispelled by the noon-day sun, an extended and lovely view is presented of unequaled splendor.

NORTH PEPIN, Wis., 6 miles above the foot of the lake, is a small village lying on the east shore. Here the scenery becomes grand and interesting.

Lake City, Minn., 270 miles above Dubuque, and 93 miles below St. Paul, has a most beautiful and comm. anding position, overlooking Lake Pepin, attuated on a prairie that was, until a few yearn go, a half-breed reservation. The city lies within an amphitheater of bluffs that shield it from the prairie above. The en-

rocks appeared, resembling old ruinous towers, at others, amazing precipices; and what is very remarkable, whilst this scene presented itself on one side, the opposite side of the same mountain was covered with the finest herbage, which gradually ascended to the summit. From thence the most beautiful and extensive

10 3 6 1 90

nine miles long, of irregular oracing about 10,000 acres of The whole view is commanded The whole view is commanded points, one of the most conwhich is a sharp, tall peak, gar Loaf." From these the expanse of water and plain, and rocks, is spread before a distance of fifteen or trenty ther direction, lit up, as it to transparent atmosphere and of Minnesota.

y contains six churches, two re hotels, three steam saw chine shop and plow factory, res and store-houses. Popu-865, 1,411, being surrounaded nd populous section of coun-

aid populous section of coun-

English or Americas visitor for Mississippi, Captain Jonasor, in 1766, paints in lively lelight in beholding Lake Pethe country below it on the n many places pyramids of pared, resembling old ruinous sered, resembling precipices; cothers, amazing precipices; severy remarkable, whilst this sented itself on one side, the ide of the same mountain was ith the finest herbage, which ascended to the summit. From most beautiful and extensive most beautiful and extensive that imagination can form your view." On the plain os-Lake City, he then saw "great turkeys and partridges," and set buffaloes of any in America." ROOK, Wis., 6 miles above Here is to be seen some of

. Here is to be seen some of beautiful scenery, for which in is justly celebrated. NAC, Minn., is a small settle-he west side of Lake Pepin." ING, Minn., situated at the head Pepin, 64 miles below St. Paul,

is one of the most beautiful places on the Upper Mississippi, being eurrounded low St. Paul. The whole length is about in part by high and precipitous bluffs, rising from the water's edge, 350 feet in helpit, near the steamboat landing. It is the seat of justice for Goodhue county, being well situated for trade, having a good agricultural region back of it, which here finds an outlet; the quantity of grain annually shipped from this place being very large. Here are six churches, several public houses, and a number of stores, warehouses, and a number of stores, warehouses, and a number of stores, warehouses, and annufacturing establishments. Population, in 1865, 3,862.

"Phisoort, Wis., 36 miles below St. Hunder of St. Croix county, is a flourishing village, being surrounded by a fine sgricultural section of country,

Paul, situated at the mouth of the St. Croix river, is a place of growing impor-tance. It contains three churches, a bank, several stores, a large steam saw mill, and other mills and factories. Popula-tion, in 1865, 1,061.

the ! Kinning

HUDSON, Wis., 16 miles above Prescott, the county seat of St. Croix county, is a flourishing village, being surrounded by a fine sgricultural section of country, producing wheat in great abundance.

STILLWATER, Minn., 5 miles farther, lying on the north bank of the river, is well situated for trade, and is the depot for the extensive lumbering interests of the CK Christ walker. Steamers of a larger tion, in 1865, 1,061.

The RIVER ST. CROIX, an important and beautiful stream, rises in Douglass county, Wis., near the west end of Lake Superior, affording many fine water privileges. Its general course is south, forming, in part, the boundary between the States of Minnesota and Wisconsin, and latter, in 1865, 2,145.

Steamboat Route

FROM PRESCOTT, WIS., TO ST. CRO	IX FALLS,	54 miles
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A4 .		
fi LANDINGS.	Miles.	LANDINGS i i) Mile
PRESCOTT, Wis	0	ST. CROIX FALLS, Wis
Hudson, Wis	16	Osceola, Wia
Cuttle-des Minn	5-21	Marine Mills, Minn 9-1
Marine Mille Minn	15-36	Stillwater, Minn
Owner at a Title	4_45	HILIDRON. WIS
ST. CROIX FALLS, Wis	9-54	PRESCOTT, Wis 16-4
FROM PRESCOTT to ST. PAUL	, 36 m	iles.

POINT DOUGLASS, Minn., 35 miles below St. Paul, is a small settlement lying opposite Prescott, at the mouth of the St. Croix river.

HASTINGS, Minn., 32 miles below St. Paul, the capital of Dakota county, is advantageously situated on the west bank of the Mississippi. It occupies a most

advantage from the river; as a commercial point, it possesses advantages scarce-iv equaled in the State, commanding the trade of an area of hundreds of miles of trade of an area of hundreds of miles of interior country, fertile and populous. As a grain depot, few places possess the advantages that Hastings does, and, to accommodate this growing trade, many large and imposing warehouses have been erected. Besides the county buildings, here are five churches, the Minnester (trade University, several large. ings, here are new contretes, the Miniesota Central University, several large stores and store-houses, three steam sulvinilis, an elevator, and several manufacturing establishments. Population, in 1865, 2,850. A railroad is in progress of construction, to run from St. Paul, on the east side of the Mississippi, here to cross the river and continue south on the west side to Winona, about 130 miles by railroad route.

NINNINGER, Dakota county, Minn., is a small village situated on the Mississip-

pi river, 5 miles above Hastings.

After leaving Hastings, on the upward After leaving reasings, on the upward trip, a few small places are passed, the river here inclining to the westward until Pine Bend is reached, then the stream resumes its northward course to the city of St. Paul, the termination of

beautiful site, rising by easy grades to tion on the Mississippi, 5 miles below the the prairie, and appearing to excellent mouth of the Minnesota river, which advantage from the river; as a commercial state of the commerc river here being about a quarter of a mile in width. No place on the continent of America has a more commanding position or healthy location than this suon or neattny location than this most favored city. Steamers of a large class, during a good stage of water, can descend to New Orleans, 2,060 miles distant; above the Falls of St. Anthony naviga-tion is afforded, for steamers of a small class, for about 150 miles, while the St. Peter's or Minnesots river affords about a like extent of navigation, flowing through a very fertile section of country.
Saint Paul is one of the oldest settle-

ments in the State. Father Hennepin visited and speaks of its site (1680). Jonathan Carver made a treaty in 1766 with the Dakotas in Carver's Cave, which is still in existence under Dayton's Bluff, within the present limits of the city. The site of the city was known to the Dakotas from time immemorial as "Immini-jaska," or "White Rock," from its high bluff of white sandstone, a prominent landmark.

The first actual settlement was made in 1838 (just after the Indian title to the land east of the Mississippi had been extinguished) by one Parrant, a Canadian, who built a cabin on Bench Street. In the city of St. Paul, the termination of navigation for steamers of a large class.

The City of St. Paul, a port of party, capital of Minnesota, and seat of justice of Ramsey county, is most advantageously situated on the left bank of the Mississippi, 2,080 miles from its mouth, and 10 miles by land below the Falls of St. Anthony; being elevated falls of St. Anthony; being elevated 1840, and 1841 of St. Anthony; being elevated the village grew slowly until the organication of the Territory in 1849, and the location of the Territory in 1849, and the location of the triple at St. Paul gave is new form of the thigh, rising to 100 feet, and presents a grand view from the river. It is near the head of ateamboat navigaMississippi, 5 miles below the the Minnesota river, which the west at Fort Snelling, the peing about a quarter of a mile No place on the continent of as a more commanding po-. Steamers of a large class, od stage of water, can descend rleans, 2,060 miles distant; Falls of St. Anthony naviga-orded, for atcamers of a small bout 150 miles, while the St. Minnesota river affords about tent of navigation, flowing very fertile section of country. ul is one of the oldest settle-the State. Father Hennepla i speaks of its site (1680). Carver made a treaty in 1766 akotas in Carver's Cave, which xistence under Dayton's Bluff, present limits of the city. the city was known to the om time immemorial as "Imof white sandstone, a promiark.

actial settlement was made ast after the Indian title to the f the Mississippi had been ex.) by one Parraut, a Canadian, a cabin on Bench Street. In the log chapel was built by altier, a Catholic missionary, sent site of "Catholic Block." b, or mission was called "St. hlch henceforth became the or settlement. From this date grew slowly until the organise Territory in 1849, and the the capital at St. Paul gave it inpetus. That spring there thirty buildings of all kinds llage, but at the close of a St. Paul contained several

hundred people. At the first session of the Territorial Legislature, in November, the "town of St. Paul" was incorporated, with an area of 290 acres. On March 4, 1854, the "City of St. Paul" was incorporated, with 2,400 acres in its boundaries, which was amended in 1858, to include 3,200 acres, its present area. It has a river front of almost four miles. Its growth in population for a few years was perhaps unsurpassed by any city in the Union. In 1838 it had only three inhabitants; in 1846, 10; in 1848, about 50 (white); in 1849, 400; 1850 (census), 1,112; 1854, 4,500; 1857, 9,973; 1860 (census), 10,277; 1865 (census), 15,107.

The public buildings in St. Paul are a State House, which is a brick edifice, standing on elevated ground; a court-house, jail, and city hall; a public market huilding, five public-school ediflees, an opera house, 20 church edifices, many of them being fine structures; uso 4 national banks, besides several firms engaged in the banking business, three insurance companies, a gas company, several large and well-kept hotels, the International Hotel and the Merchants' Hotel being the most frequented; numerous stores and storehouses, several extensive breweries, flouring mills, and printing offices, besides numerous other manufacturing establishments. A wooden bridge here spans the Mississippi River, being a quarter of a mile in length; cost, \$150,000. A Government custom-louse and post-office huilding is size being constructed to run east, west, north, and south from St. Paul, making it the center

of an extensive system of railways.

The arrival and departure of steamers are numerous during the season of navigation, there being daily lines from St. Louis, Dubuque, Prairie du Chien, La Grosse, and up the Minnesota River.

(Extract from the St. Paul Press, June 30, 1866.)

ARRIVAL OF RED RIVER TRADERS AT ST. PAUL.

"The past two or three days an immense amount of furs and huffalo robes have been received by Pembina carts, and also by rail, from the Hudson Bay region. We saw yesterday at the rail-road depot nearly one housand bales of buffalo robes, making a pile as high as a house. They are being rapidly shipped below. There are ten robes in each bundle, making nearly ten thousand robes in all, worth from \$10 to \$12 each. These are but a portion of those on the way down, which are estimated at fifteen or twenty thousand.

"In addition to the buffalo robes, there have been about a hundred bundles of wolf-skins and other fura, many of them very valuable. In all, there will probably be \$300,000 worth of furs received at St. Paul this season, fully up to the amount marketed here in previous years, and maintaining the rank of St. Paul as one of the largest fur markets in the world.

maintaining the rank of St. Fair as one of the largest fur markets in the world.

"About 150 Red River carts were yesterday loaded up with groceries, miscellaneous, and Hudson Bay Company's stores, preparatory to making the long trip back to their hunting grounds on the shores of Lake Winnipeg, the Saskatohewan and Red Rivers. Business, consequently, was unusually lively among the wholesale dealers, and the streets were crowded with the unmistakable residents of the far Northwest, whose peculiarities of theatre and costume are as distinctive as if they belonged to another race."

Progress of Minnesota in Population and Wealth.

The following table shows the general increase of population and assessed prop-

erty valuation in the State at large, from the date of its Territorial organization, and the superficial expansion of settlement as indicated by the number of counties assessed. The census anumerations of population are given for the population for the remaining years being estimated from the popular vote:

| Xear. No. assessed | Val. of ; era. Population and real estate. | 2,384.673 | 150,087 | 1857. | 31 | 42,384.673 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 41 | 81,584.478 | 156,000 | 1859. | 41 | 81,584.478 | 156,000 | 1859. | 41 | 81,584.478 | 156,000 | 1859. | 41 | 81,584.478 | 156,000 | 1859. | 41 | 81,584.478 | 156,000 | 1859. | 42,584.478 | 156,000 | 1859. | 41 | 41,584.478 | 156,000 | 1859. | 42,584.478 | 156,000 | 1859. | 41,584.478 | 156,000 | 1859. | 42,584.478 | 156,000 | 1859. | 41,584.478 | 156,000 | 1859. | 42,584.478 | 156,000 | 1859. | 41,584.478 | 156,000 | 1859. | 42,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 156,000 | 1859. | 40 | 81,584.478 | 166,000 | 1859. | 40 | 81,584.478 | 166,000 | 1859. | 40 | 81,584.478 | 166,000 | 1859. | 40 | 81,584.478 | 166,000 | 1859. | 40 | 81,584.478 | 166,000 | 1859. | 40 | 81,584.478 | 166,000 | 1859. | 40 | 81,584.478 | 166,000 | 1859. | 40 | 81,584.478 | 166,0

TABLE SHOWING THE GROWTH OF THE

	STATE	SINCE 1000.	1000.	The following table will indicate the growth of population since 1850:			
Year.	No. assessed	Val. of pers. and real estate.		Year.	Population.	Year.	Lobdingnon
1850 1851 1859	6 8 8	\$906,447 1,282,128 1,715,885 2,701,487	10,000	1850 1852 1853	2,500	1858 1860	9,973 10,000 10,600
1854 . 1855.	18	8,508,518 10,424,157 24,894,895	82,000 40,000 100,000	1854 1856	. 4,500 . 8,5 00	1864 1865	12,500

St. Paul to St. Cloud, Minnesota,

Via the St. Paul and Pacific Railroad Route.

ANY OTTO DAY T WE		Wiles.
St. Paul	Miles. STATIONS. 0 St. Cloud	0
St. Anthony	10 Clear Water Dust	14-25
Manomin	an an I Table Dissess	0-04
Itasca	# 40 Amelia	7-46
Elk River	9-49 Manomin	10-56 R-64
Clear Water Sta	14-63 St. Anthony	10-74

Early History of St. Paul.

2. The period of squatter settlement, from 1838 to 1849, when it was known

POPULATION OF ST. PAUL.

The history of what is now St. Paul divides itself into three distinct periods, self whisky," and by the whites as "Pry's Eye."

3. Since 1849, when it was selected as the Capital of the Territory of Mintesota, when it was known as Imnijaska, or "White Rock."

2. The period of squatter settlement.



JLATION OF ST. PAUL. wing table will indicate the population since 1850:

ulation.	Year. Pop	ulation.
840	1857	
1,800	1858	10,000
2,500	1860	10,600
4,500	1864	12,500
8,500	1865	13,17

Minnesota,

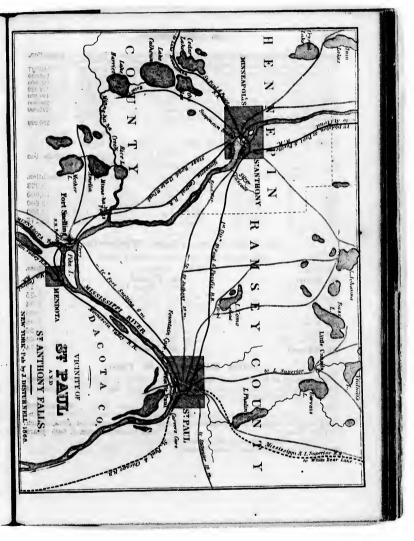
road Route.

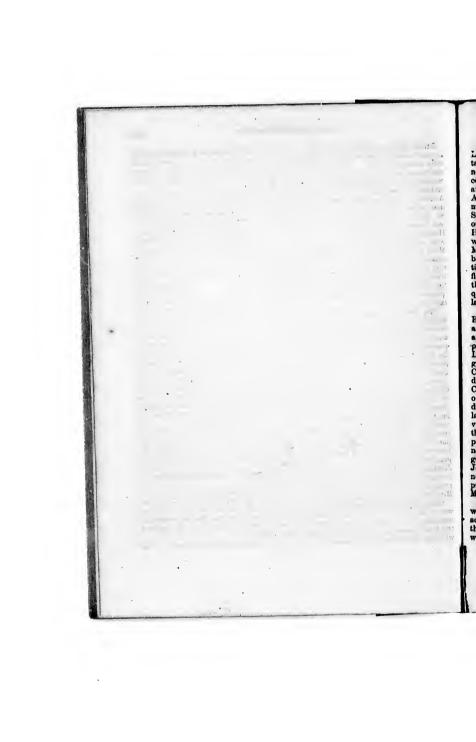
d	. 0
- Qta	11
	14-20
	8-04
	0-50
	1-20
	10-01
	0-0
1	10-74

Miles.

Paul.

idians as "the place where they ky," and by the whites as ye." e 1849, when it was selected apital of the Territory of Miny the name of St. Paul, which a bestowed upon it two years





FIRST WHITE MAN IN ST. PAUL .--Louis Hennepin, whose name is immor-telly associated with the history of Min-nesota as the first white man who as-cended the Mississippi within its borders, and as the discoverer of the Falls of St. below the Falls of St. Anthony," a description of which, with other circumstances, fixes the locality under Dayton's Bluff, at the mouth of Trout Brook—about three quarters of a mile below the Steamboot landing.

. .11.

* , ,

THE FIRST AMERICAN IN ST. PAUL. Eighty-seven years have passed since the arrival of Hennepin. Perrot has built and abandoned a fort on Lake Pepin, and planted the arms of France in Minnesota. Le Seuer has explored the Minnesota and given it the name of his galiant friend, Capt. St. Pierre. The Dakotas have been driven from the northern lakes by the Chippewas, and Minnesota, by the treaty of Marseilles, has just passed from the dominion of France to the flag of England, when on one fine morning in November, 1766, a keen, practical Yankee, the forerunner of all the Yankeea in this part of the world, stepped into St. Paul near where Hennepin had landed three generations before. It was Brother JONATHAN CARVER, fresh from Connecticut, come to trade—Carver, great four feet.
progenitor of the land speculators of In 180

"About thirteen miles below the Falls of St. Anthony * * is a remarkable cave, of amazing depth. The Indians term it Wakan teebe, that is, the dwelling

of the Gods.
"The arch within is near fifteen feet and as the discoverer of the Falla of St. Anthony, was undoubtedly the first white high and about thirty broad; the bottom man who ever set foot upon the site of consists of clear sand. About thirty feet St. Paul. On pril 30th, 1680, over one hundred and eighty-four years ago, of which is transparent, and extends to a floring in the hands of a nunsearchable distance, for the darkness of the cave prevents all attempts to Mille Lace. "landed in a bay, five leagues acquire a knowledge of it. * * * * * I found in this cave many Indian hieroglyphics, which appeared very ancient, for they were so covered with moss that it was with difficulty I could trace them. They were cut in a rude manner upon. the inside of the wall, which was comthe inside of the wall, which was composed of a stone so extremely soft that it might be easily penetrated with a knife. * * At a little distance from this dreary cavern is the burying-piace of several bands of Naudowessie [Dakota] Indians. Though these people have no fixed residence, being in tents, and seldom but a few months in one spot, and seldoin but a few months in one spot, yet they always bring the bones of their dead to this place, which they take the opportunity of doing when the chiefs meet to hold their councils and to settle public affairs for the ensuing summer."

These ancient burial mounds still exist

on Dayton's Bluff, and, a few years ago, Mr. Nicill had one of them opened. In this, which was 218 feet in circumference and 18 feet high, he found the remains of skulls and teeth at the depth of three or

progenitor of the land speculators of Minnesots, first and greatest of the race.

CARVER'S CAVE.—Jonathan's landing mouth on all fours. In 1837, Nicoliet was at the foot of Dayton's Binff, and his account of the discovery made there is the first memorial which links St. Paul description.

"A Chippewa warrior made a long

harangue on the occasion, threw his knife into the lake as an offering to Wakan tibi." Indian pictographs still remain, gray with sge, upon portions of the wall still standing.

After a voyage to what is new Anoka, and up the Minnesota river for 200 miles, and up the Minnesota river for 200 miles, Carver, on the lat of May, 1767, returned to the "Great Cave," where he officiated as the first representative of the whites in the great Annual Legislative Session of the Dakota bands, and made the first speech ever delivered by a Yankee in St. Paul.

Paul.

"At this season," says Carver, "these bands go annually to the Great Cave before mentioned to hold a grand council with all the other bands, wherein they settle all their operations for the ensuing summer." Thus early was St. Paul the Cantal of Minascate. Capital of Minnesota.

Nothing could be more significant of the geographical centrality of St. Paul than this fact, that from immemorial time it had, at that date, been the political centre of the scattered bands of the Dakota nation.

kota nation.

THE FIRST LAND SPECULATOR IN Sr.
PAUL.—It was here, too, at this "Great
Cave," that the first consequence of land was
made and the first deed signed in Minnesota. This was the instrument by which the heirs of Carver founded their title to Carver's tract, which contained St. Anthony, St. Paul, and a large part of Wisconsis. consin. The document is curious, and runs in this wise:

"To Jonathan Carver, a chief under the most mighty and potent George the Third, King of the English and other na-tions, the same of whose warriors has tions, the fame of whose warriors has lwaters of Minnesota the elements were roached our ears, has been now fully told us by our good brother Jonathan, aforesaid, whom we rejoice to have come among us and bring us good news from his country.

"We, the chiefs of the Naudowessia who have hereunto set our seals, do, by these presents for ourselves and our heirs forever, in return for the aid and other good services done by the said Jonsthan to ourselves and our allies give, grant, and convey to him, the said Jonathan, and to his heirs and assigns forever, the whole of a certain tract of territory or and, bounded as follows, viz.: From the iand, bounded as follows, viz.: From the Fulis of St. Anthony, running on the east side of the Mississippi, nearly south-east, as far as Lake Pepin where the Chippewa joins the Mississippi, and from thence castward five days' travel, accounting castward five days' travel, accounting twenty English miles per day, and from thence again to the Falls of St. Anthony. We do, for ourselves, heirs, and assigns forever give unto the said Jonathan, his heirs and assigns, with all the trees, rocks, and rivers therein, reserving the sole liberty of hunting and fishing on land not planted or improved by the said Jonathan. planted or improved by the said Jonathan, his heirs and assigns, to which we have affixed our respective seals, at the Great Cave, May 1st, 1767.

"[Signed]
"HAW-NO-PAW-A-TON.

"O-TOH-TON-GOOM-LISH-RAW."

It was here, too, nearly a century ago, that Carver anticipated that splendid scheme of commercial intercommunication whose realization in our day is to make St. Paul the focus of the internal commerce of the continent. With the Delphic numen of the cave upon him, he foresaw that in the fat soil and laughing waters of Minnesota the elements were e chiefs of the Naudowessies, hereunto set our seals, do, by ents for ourselves and our heirs return for the aid and other ces done by the said Jonathan es and our aliles give, grant, y to him, the said Jonathan, heirs and assigns forever, the certain tract of territory or ded as follows, viz.: From the ded as follows, viz.: From the ... Anthony, running on the east Mississippi, nearly south-east, ake Pepin where the Chippewa Mississippi, and from thence five days' travel, accounting nglish miles per day, and from ain to the Falls of St. Anthony. on to the falls of St. Authory, rourselyes, heirs, and assigns we unto the said Jonethan, his saigns, with all the trees, rocks, a therein, reserving the sole hunting and fishing on land not

H-TON-GOOM-LISH-RAW."

here, too, nearly a century ago, ver anticipated that splendid f commercial intercommunicase realization in our day is to Paul the focus of the internal of the continent. With the hat in the fat soil and laughing Minnesota the elements were for the sustenance of future nos, who, he says, will be "able their produce to the seaports at facility. * This might ime be facilitated by canals or

Henceforth, for seventy years, the oracle is dumb, silent, stony, impenetrable as the Sphinx, its white face turned

shorter cuts, and a communication opened in speechless prophecy toward the ter-by water with New York, by way of the raced slopes which lay there before its lakes." closed mouth.

Here, too, Carver conceived the project of a Northern Pacific route by the way of the Minnesota and Oregon rivers, which, he says, "would open a passage for conveying intelligence to China and the Eng-shah settlements in the East Iadica"—an idea which will doubtless be consummated in our day.

After Oarver robs the "Great Cave" of its mighty secret that has throbbed for ages at its heart, the "Dwelling of the gods" is henceforth shut to all the world.

Henceforth, for seventy years, the Grade is dumb, silent, stony, impenetory torv

Drive from St. Paul to the Falls of St. Anthony, returning via Fort Snelling.

This excursion affords one of the most | rounding the Falls, where are very ex-This excursion affords one of the most interesting drives in any part of the country. On leaving St. Paul, by private conveyance, you pass through Madison avenue to the open plains which skirt the city, and then follow the direct road to St. Anthony, 10 miles. One or two beautiful cascades are passed near the roadside, as you approach the great Fails. The State University, another object of interest, situated east of the road, overlooking the Falls, is a flourishing institutution of learning. The town of St. Anthony. with its saw mills and factories, propelled by water power, extends for near

propelled by water power, extends for near a mile above and below the Falls. Here is a Suspension Bridge of fine propor-tions, spanning the stream above the cas-

cade. into the Mississippi.

MENNEOPOLES, a large and flourishing place, is situated on the west bank, surfarther, and six miles above St. Paul, it

tensive saw mills, grist mills, paper mills,

tensive saw mills, grist mils, paper mills, and other factories, all being propelled by water-power, and all well worthy of a visit. Here is a good hotel, where visitors usually stop for refreshments. On returning, the road runs along the west bank of the Mississippi for four miles, when the Falls of Minne-ha-ha are reached. This beautiful fall of water, made famous by poetry and romantic scenery, is almost boyond description, as seen at different seasons. It has a perpendicular fall of about 40 feet, and can be viewed from the rear, as the rocks recede so as to allow a passage from side to side under the fall of water. About half a mile below, this pure stream enters half a mile below, this pure stream enters

an old Government post, where are usually quartered more or less troops; at the present time (1955) there are two regiments. Standing at the junction of the Minnesota and Mississippi Rivers, on clevated ground, it has a very picturesque appearance. Here is a rope ferry across the river, leading toward St. Paul, it being reached by a circuitous road running under the bluffs, affording highly romantic views. Here the Minnesota Central Railroad crosses the Minuesota River.

The next object of interest is a Cave, 2 miles above St. Paul, which will well repay a visit to its subterranean caverns, from whence issues a lovely sheet of pure water.

MENDOTA, Minn., is situated on the right hank of the Misnesota, find the Minnesota, find is above St. Paul, which will well repay a visit to its subterranean caverns, from whence issues a lovely sheet of pure water.

PLACES AND OBJECTS OF INTEREST

TWENTY-FOUR MILE	AROUND ST. PAUL.
West Side Mississippi River. Miles.	East Side Mississippi River.
MENDOTA 5	Carver's Cave 1
Fort Snelling and Ferry 6	Fountain Cave 2
Falis of Minnehaha 8	Lake Como
Diamond Lake 9	Phalon's Lake
Rice Lake 10	Little Canada
Lake Amelia 10	Gervais Lake
Mother Lake 10	Mazaska Falls
Wood Lake 11	Vadnois Lake
Grass Lake	Black-Bass Lake
MINNEAPULIS	
Cedar Lake	1- 17
Crystal Dano	White-Bear Lake 12
Table Translet	Bald-Eagle Lake 14
Medicine Lake 16	Stillwater (St. Croix River)
Chakanas 25	Hudson, Wis
Lake Minnetonka 24	Forest Lake 24

Remarks.

At LAKE COMO, 3 miles from St. Paul, there is good fishing and two well-kept public-houses.

At WHITE-BEAR LAKE, 12 miles, there is good bonting and fishing, and two well-kept public-houses.

Minn., is situated on the f tile Mississippi River, at the ie Minnesota, 8 miles above This is one of the earliest ea in the State, being formerly narters of the American Fur Here are two churches, an several stores. Population, ota Vulley Railroad form a Mendota, both rivers being

a drawbridge.
ELLING, 6 miles above St. Paul,
rtant United States post and , situated on a commanding alppi Rivers, 6 miles below the Anthony.

INTEREST

T. PAUL. t Side Mississippi River.

ave Cave..... 2 ake..... 6 Falls...... 6 6...... 6 ake..... E Lake. 9 NY'S FALLS..... 10

TE-BEAR LAKE, 12 miles, there is ing and fishing, and two well-ic-houses.

ke......24

At LAKE HARRIET, 14 miles, there is a well-kept hotel, boating, and fishing.

LAKE MINNETOKEA, 24 miles from St. Paul, by railroad route, is one of the largest sheets of water in the State. Its shores are indented with beautiful bays, fertile lands, and sloping bluffs, crowned with forest trees, coming down to the water's edge. Islands, covered with the gorgeous green of Minnesots's foliage, are scattered liberally over its surface of pure aparkling waters, abounding with the finest of fish, affording great sport to the angler. Sail and row boatscan be procured at the hotels for pleasure parties, and those desiring to see the extended beauties of land end water scenery can do so by taking a trip on the miniature steamer, "Lady of the Lake." This is a charming place of resort for invalids and seekers of pleasure.

The fish which are mostly taken in these lakes are bass, pike, and pickerel of

a fine quality.

MINNEHAHA RIVER, the outlet of some of the small lakes in this vicinity, is a shallow, sparkling stream, dashing over its pebbly bed and around its little islands in the most gleeful manner. Without a warning, without even any preliminary rapids, it makes the leap which is called the Falls of Minnehaha. A graceful leap it is. The stream springs over in one sheet of sparkling foam, landing in a ba-sin which for centuries it has been busily sin which for centuries it has been busily hollowing out for itself—a basin much like that into which the Kaaterskill Fall leaps, and like that, too, in presenting behind the sheet of water a smooth coneave recess, around which it is possible for a man to pass, coming out at the opposite side of the cetaract. The folinge in the vicinity is as gracefully disposed by nature as the artist could wish, and little autroundings Minne-

model for all ambitious young waterfalls who may wish to win the poet's as well as the public's regard, and be ever associated with the fate of some dear maiden, as beautiful as itself, who in her delirium would rave about it, as did the old arrowmaker's danghter:

"Hark I sha said, I hear a rushing, Hear a roaring and a rushing, Hear the Falls of Minnehala Calling to me from the distance, No, my child, said old Nokomia, "Tis the wind among the pine-trees."

At CHISAGO CITY, near the line of the Lake Superior Railroad, there is a well-kept hotel and accommodations for partics visiting the several beautiful lakes in this vicinity. Here is afforded good flahing, boating, and hunting.

In addition to the lakes which surround St. Paul, a visit to the Dalles on the St. Croix River and Taylor's Fulls, 40 miles distant by stage, la recommended to all

distant by stage, is recommended to all travelers fond of sublime river scenery. Farther up the St. Croix good trout fishing can be found—many of the small streams flowing into the river on the Wisconsin side being almost alive with speckled trout.

The Falls of St. Anthony, once the Ullima Thule of the northwestern traveler, are not so striking or grand as one might expect from the description given by the early explorers of Minnesota. "There is no prodigious height for the water to leap from, as at height for the water to leap from, as at Niagara, but the rapids are grander and quite as extensive, while their power is shown by the large slabs of stone which lie in distorted piles along the shore, some standing up on end like giant tombin the vicinity is as gracefully disposed by nature as the artist could wish, and in itself and all its surroundings Minnehaha is a type of perfection of its class—a falls has been very slow until this

ing a sort of cave, with the slub of lime-stone from which the water falls over-hanging it. Of course, as this excavation grows deeper, the limestone having nothing to support it, and unable to bear the heavy mass of water, breaks away, and thus St. Anthony's Falls recede.

"As a mere spectacle, St. Anthony's Fall is grander by moonlight than at any other time, for then the unpoetical and unsightly buildings around it do not obtrude themselves, while the noise and dash of the rapids are heard and seen to perfection. At such a time St. Anthony's waters present an overpowering idea of furious strength, and one worthy to be remembered along with the recollections of Niagara itself. A greater contrast to the gentle beauty of Minuchaha it would

Minnesota, or St. Peter's
River, one of the largest streams
that rises in the State, is navigable
for steamers, at most seasons of
the year, from St. Paul to Mankato,
148 miles, passing St. Peter and other
important towns on its banks. In
good stages of water, small boats run
surrounded by a rich agricultural region.
Population, 500.

St. Paul by railroad, and 69 miles by
Stemmer, is plessantly situated on the
south side of the Minnesota river. Here
are three churches, three hotels, one
flouring mill, one saw mill, and several
stores. Population, about 1,000. The

spring (1867), when the great freshet, which proved so disastrous to log-owners and lumber-merchants, told to an unprecedented extent on the cataratitaelf.

"The reason of this is clearly understood. For a quarter of a mile above the main fall the bed of the river is composed by sandstone. This latter, being soft and crumbling, is worn away under the constant action of the water, thus forming a sort of cave, with the slab of limestone from which the water falls overstone from which the water falls over-

SHAKOPEE, capital of Scott co., Minn., is a handsomely situated village on the south bank of the Minnesota river, 22 miles from St. Paul by railroad. It was named in honor of an old Indian chief (a Sioux) by that name, and when translated into English is simply the short word
"Six." At this point an important Indian town was located, known to the early settlers as "Shakopee's village." In 1865 it contained 1,250 inhabitants, five churches, one bank, two public houses, and several stores. The sur-rounding country is fertile and thickly settled.

CHASKA, Carver co., Minn., 38 miles above St. Paul. by Steamer, is aitnated on the North bank of the Minnesota river,

cataracts are within a short waiking dis-tance of each other, and to tourists both will be, for ages to come, among the greatest attractions of the Northwest." CARVER, capital of Carver co., Minn., is situated on the left bank of the Minne-greatest attractions of the Northwest." Steamer. It lies at the head of navigain during the low water season, and is surrounded by a rich agricultural region. Population 500

of the Yellow Medicine, 238 its mouth. Beyond this, at a se, it might be rendered navi-3tone Lake, where a portage ree miles in length separates equally navigable waters of Yood, which emptios into the f the North. The Red river 300 miles of navigable water stern boundary of the State, ering into British America, Winnipeg.

E, capital of Scott co., Minn., omely situated village on the of the Minnesota river, 22 St. Paul by railroad. It was onor of an old Indian chief (a sh is simply the short word sh is simply the short word to this point an important In-was located, known to the ors as "Shakopee's village." contained 1,250 inhab:aats, hes, one bank, two public d several stores. The sur-ountry is fertile and thickly

Carver co., Minn., 38 miles Paul, by Steamer, is situated in bank of the Minnesota river, ys navigable to this point.

in 1865, 610.
capital of Carver co., Minn., on the left bank of the Minne-42 miles above St. Paul by It lies at the head of naviga-the low water season, and is by a rich agricultural region.

, 500.
LAINE, Minn., 48 miles from any railroad, and 69 miles by s pleasantly situated on the of the Minnesota river. Here churches, three hotels, one ill, one saw mill, and several pulation, about 1,000. The

Les Suzur, capital of Le Suzur co.,
Minn., 90 miles above St. Paul, is situated on the south bank of the Minnesota
river, in the midst of the best agricultural section of the State. Steamboats
land at this place daily, from which are
shipped large quantities of produce. The
Minnesota Valley Railroad will run
through this place. Population, in 1865,
500. 500.

5r Peter, the county seat of Nicollet co., Minn., is advantageously situated on the Minnesota river, 85 miles from St. Paul, and 150 miles from Winona by railroad route. Here are five churches, three hotels, two banks, and a number of stores. Population, 1,500. The Winona and St. Peter Railway, when completed, will terminate at this place.

MANKATO, the county seat of Blue Earth co., Minn., is situated at the great bend of the Minnesota river, about 140 miles from its mouth. It is the head of navigation during the greator part of the season, and is one of the best commercial points in the State. This is the proposed ST PETER, the county seat of Nicollet

sesson, and is one of the best commercial points in the State. This is the proposed center of several railroads, which, when completed, will be of great advantage to this whole region of country, which for a great part is extremely fertile, and rapidly filling up with an industrious and intelligent population. Besides the county buildings, here are four churches, four hotels, two flouring mills, two saw mills, and several stores and storehouses. Population, in 1865, 2,654.

New Ulls, the county seat of Brown ecc., Minn., is a flourishing village on the Minnesota river, about 60 miles above Mankato. The town was laid out in tree.

Minnesota Valley Railroad will run through this place, when completed.

HENDLESON, capital of Sibley co., Minn, is situated on the Minnesota river, 80 miles above St. Paul. Population, in 1865, 1,000.

LE SUEUR, capital of Le Sueur co., and improved stoadily until the Indian outbreak of 1862. On August 19th of that year it was attacked, and partly burned, many of the inhabitants being burchered by the savages. Since that period, the place has improved rapidly, and now contains a population of about 1,000, mostly Germans.

Buffalo Hunt in Minnesota.

Extract from a letter, dated, St. PETER, MINN., Aug. 1, 1865;

"I have just returned from the Red-wood Falls, seventy-nine miles west of this town, and can assure you the trip has given me a good knowledge of the western portion of Minuesota. At Renwood s young town is starting into exist-ence, already containing two hundred and sixty inhabitants, most all from Massa-chusetts and New York. The falls are chusetts and New York. The falls are thirty feet perpendicular over a solid ledge of granite, and already a saw mill is cutting the logs into building materials. In a distance of five hundred and sixty yards, there is a fail of ono hundred and two feet. The river is narrow, but the scenery is wild and romantic in the extreme. In the rear of the village, the broad prairies extend west, I know not how far, but am told a hundred miles or more.





MINNE-HA-HA.

"Here the Falls of Minne-ha-ha Flash and gleam among the oak trees, Laugh and leap into the valley."

The City of **St. Anthony**, situated 10 miles north of St. Paul, by railroad, is one of the most favored localities in the State. It was incorporated in 1855, and in 1865 contained 3,500 inhabitants. Here are nine churches, two banks, three hotels, several stores, and numerous manufacturing establishments, propelled by water power. Tho "St. Anthony Falla Wuter Power Company" is capable of sawing 40,000,000 feet of lumber an-

nually. There are also three flouring mills, a paper mill, foundry and ma-chine shop, two breweries, and other extensive manufacturing establish-ments. The University of the State of Minnesota is located here, on an emimence overlooking the falls and the two towns. An elegant suspension bridge, erected in 1855, 620 feet long, bridge, erected in 1835, 620 feet long, spenning the mein brunch of the river above the Fal's, connects the city with mineopolis. The St. Pauland Pueija Railroad, completed to a point 50 miles northward, now extends from St. Paul to R. Bill Lake. Paul to Big Lake.

Minneapolis, Minn., the capital of Honnepin county, is delightfully situated on the west side of the Mississippi, at the Falls of St. Anthony, where is afforded one of the most magnificent water powers on the continent. Here are four extensive flouring mills, a needly of factory a sealy door, and a woolen factory, a sash, door, and blind factory. The capacity of its saw-mills is 50,000,000 feet; there are nine gangs of saws with rotaries, and the usual proportion of lath and shingle mills. In addition to these are manu-

mills. In addition to these are mannfactured ploughs, wagons, furniture,
churns, barrels, &c.; two foundries,
and the immense machine shops and car
factory of the Minnesota Central Railway Company.

The Minneapolia Water Power Company, and the St. Anthony Company, have
combined properties of quantity and availability unsurpassed in the United States.

The lineal frontage along which the power
can be carried and applied at a trifling
cost, so as to supply a mill with power
in every hundred feet of its course, is
over 15,000 feet. The value of such a
power, as well as the amount of machinery it is destined to propel, as the vast
and fertile region north and west of it
becomes settled, can hardly be estimated

Here is a perpendicular fall of about 18 feet, and a rapid descent of 46 feet, with in a distance of one mile.

Besides the county buildings, Minnespolis contains three national banks, eight churches, four hotels, numerous atores and store-houses, together with many fine private residences. Population, in 1865, 4,600.

in 1865, 4,500.

The picturesque scenery in and around these two cities at the Falls, their topographical beauty, the fine hard roads leading in all directions, the charming lakes in the vicinity, the celebrated Mississipping the second sec ne-ha-ha Falls, being a few miles below Minneapolis on the Fort Snelling road, taken together with the dry, bracing at-mosphere that distinguishes Minnesota from all other Western States, have contributed to draw crowds of pleasure-seek-

ers, travelers, and invalids to this locality.

Two beautiful lakes, Harriet and Calhoun, lying within a half hour's drive, and Lake Minnetonka, 12 miles westward, are places of constant resort in summer These lakes, and about thirty others in the country, abound with sunfish, bass, and pickerel, as also the woods and prairies with the usual varieties of game. The old Fort Snelling, and its reservation of 10,000 acres, is situated in this county, at the confluence of the Minnesota and Mississippi rivers. The Fort is now used as a rendezvous for troops and re-cruits. Although once abandoned by the Government, the prospect now is that it will be permanently retained for mili-

ific Railroad, running west and east.

ST. PAUL AND PACIFIC RAILBOAD ROTTE.

Manonin, the capital of Manomin

Manomin, the capital of Manomin county, is a small village on the east bank of the Mississippi river, 17 miles north of St. Paul by railroad route.

Anora, Minn, 25 miles north of St. Paul, by railroad, is the county-seat of Anoks county, being handsomely situ ated on the east bank of the Mississip pi river, at the mouth of Mile Lac, Rungriver lying on both sides of the latter stream. The surface of the country is here diversified, and the climate highly salubrious; the soil being well adapted to agriculture. The natural meadows are an important feature, and, taken in connection with other facilities which the place affords, make it particularly connection with other facilities which the place affords, make it particularly adapted to the raising of cattle and sheep. Here are three church edifices, two ho-tels, several stores, and about 1,000 in-habitants.

habitants.

ITASEA, Anoka County, Minn., is a small settlement on the east bank of the Mississippi river, 35 miles from St. Paul by railroad route.

ELK RIVER, Minn., is the name of a village situated on a stream of the same

name, half a mile east of the Mississippi river, distant 40 miles from St. Paul, by railroad route.

BIG LAKE, Minn., the county-seat of Sherburne county, 50 miles north of St. Paul by railroad route, is situated about two miles east of the Mississippi river,

it will be permanently retained for military purposes.

The railroads terminating at Minneapolis, and passing through St. Anthony, are the Minnesota Central, running south and connecting with all the roads west of the Mississippi as far as Clinton, in Iowa; he Minnesota Velley road, running towards Sloux City; the St. Paul and Partice Railroad, running west and east.

The Railroad, running west and east.

AND PACIFIC RAILBOAD ROTTE.

the capital of Manomin the capital of Manomin a small village on the east Mississippi river, 17 miles Paul by railroad route. Itinn, 25 miles north of % road, is the county-seat of ty, being handsomely situ 4 east bank of the Mississiphe mouth of Mille Lac, Rum on both sides of the latter a surface of the country is on both sides of the latter e surface of the country is fied, and the climate highly the soil being well adapted re. The natural meadows rotant feature, and takon in with other facilities which flords, make it particularly re raising of cattle and sheep, ee church edifices, two hostores, and about 1,000 in-

Anoka County, Minn., is a nent on the east bank of the

river, 35 miles from St. road route. SR, Minn., is the name of a ted on a stream of the same mile east of the Mississippi t 40 miles from St. Paul, by

t, Minn., the county-seat of county, 50 miles north of St. road route, is situated about ast of the Mississippi river,

population of 200 or 300.

Minn., lying on the west Mississippi river, at the foot k Rapids, is the capital of anty, 74 miles north of St. ilroad route. This may be ead of navigation for the river alls of St. Anthony, being on route from St. Paul to the

Rcd River settlement of the North. A railroad is also proposed to run from Sauk Rapids to Superior City, 120 miles, which, when finished, will be of great benefit to this whole section of country.

The village now contains about 2,000 inhabitants, and is fast increasing in wealth and importance. There are a fine court-house and jail, one bank, United States land-office, five churches, three hotels, twelve stores, and two printing-offices.

Level 2 of the Churches and some statement agency hotels, twelve stores, and two printing-offices.

ried on, by means of ox-carts passing over the prairie, including the furs and other articles belonging to the Hudson

Bay Company.

SAUK RAPIDS, Minn., lying on the east side of the Mississippi River, at the head of the rapids, two miles above St. Cloud, is the capital of Benton County. It contains about 700 inhabitants, 2 churches, hotels, 2 stores, and manufacturing establishments. The St. Paul and Paestatements. The S. Take day for eight Rathroad runs to this place along the east bank of the river. Here is an immense water-power, created by the Sauk Rapids, having a descent in half a mile of about 15 feet, where a dam is con-

of about 15 feet, where a dam is constructed.

The Mississippi River, above the Sauk Tail Lake, thence north, over the old Red river trail, to Douglas, Polk county, interspersed with groves of timber of different kinds, having a width of about 100, yards, to Crow Wing, 40 miles above. North of the latter place, pine timber of a large growth is found in abundance, the lumbering business being the principal source of profit.

We wan Beston County Many 80 miles where your different kinds. The shores are pebbly, surrounded when the surrounding in delicious flat of different kinds. The shores are pebbly, surrounded when the surrounding in delicious flat of different kinds. The shores are pebbly, surrounded when the surrounding in delicious flat of different kinds. The shores are pebbly, surrounded when the surrounding in delicious flat of different kinds. The shores are pebbly, surrounded when the surrounding in delicious flat of different kinds.

pal source of profit.
WATAR, Benton County, Minn., 80 miles

court-house and jail, one bank, United of St. Paul. This is an important post, States land-office, five churches, three where is located the Government agency for the Chippewa Indiana, and commends a considerable Indian trade. It is on about 200 miles, the distance being road, which there crosses the river and about 200 more miles to Fort Gary, will extend in a north-westerly direction British America. A large trade is car-

Northern Minnesota.

The distance from Sr. PAUL to Crow Wing, Minn., is about 120 miles, the Chippeus Agency being seven miles above Crow Wing, on Crow Wing river, a stream larger than the Mississippi proper; it is the outlet of Otter Tail and other numerous lakes, some sixty miles west-ward. The Indian agent for the Chip-pewa, Pembina, and Pillager Indians resides at the above agency. The agent makes a yearly payment to the above In-dians, usually leaving the agency about the first of October, travels west to Otter

WATAN, Beaton County, Minn., 80 miles above St. Paul, lying on the east side of the Miss: sippl River, is a small post set lement, containing about 150 inhabitants.

The sucress are perous, surrounced to have a produced timber. The sucress are perous, surrounced with the surrounced timber, the sucre maple sugar are annually manufactured. The soil is unusually rich, producing wild grass three or four feet

in height. The principal game left is linteresting to Consumptives, wild fowl of different kinds, among which may be named the prairie chicken, grouse, may be named the prairie chicken, grouse, partridges, ducks, and wild goese. Deer, elk, bear, foxes, badgers, and other furbearing animals, heretofore numerous, are now sparse, being nearly exterminated by the Indians, who are expert huntsmen. The healthy influence of this section of the country is unrivaled, it being a luxury to breathe the pure air of this region.

In September, 1965, a resident of Milwaukee, Wis., who had been suffering from ill health, tending to consumption, trom in neating, enting to consumpted for St. Paul and journeyed toward Crow Wing, along the east side of the Mississippi river, arriving about the time of the leaving of the United States agent of the leaving of the United States agent and his party for the interior, the weather being then cool and delight-ful. Joining said party, and partici-pating in their fare, he made the journey to Otter Tail Lake, and thence to Red Lake river, on horseback, returning

with said party.

During this trip of some four weeks, his health was almost entirely restored. being able to bear almost any amount of fatigue; camping out in the open air, huating, and fishing as circumstances

would permit.
This is the happy experience of hundreds of invalids who have the resolution to visit this health-restoring section of country, where fevers and consumption are almost entirely unknown. Even the winter months are endurable and healthy in this region, extending north to the British settlement near I ake Winnipeg, 50° north latitude.

Buffalo and other large game may be found west of Red river, affording wholesome food, while wheat and vegetables are raised in great abundance wherever settlements have been made.

WHO SHOULD GO TO MINNESOTA AND WHO SHOULD NOT.

Extract from a letter, dated, St. PAUL, Minn., Doc. 24, 1865:

"It is not the object of your correspondent to court any argument upon the relative merits of a northern or southern climate for the cure of that fell destroyer of mato for the cure of that fell destroyer of human life and happiness, consumption, but merely to give his experience s an invalid during a sojourn of several : onths in a country which is fast becoming one of the most popular reserts for invalids from all parts of the Union. Neither do I wish to be understood as claiming for Minnesota entire immunity from disease, nor that the climate is a sovereign remedy for all cases of consumption; but, from careful observation, I believe I am justified in asserting that there is no locality on this continent so exempt from 'all the ills that flesh is heir to' as this. The dryness of the atmosphere, the peculiar character of the soil, the almost total absence of fogs and moist winds, all contribute to render the climate one of unrivaled salubrity.

unrivaled salubrity.

In its first stages, consumption appears to yield readily to the peculiar influence of the climate; and, even in the more adfivanced stages of the disease, the patient, by a continued r. sidence in this country, fluds permanent relief and comparative good health. I find that three classes of relief: 1. Those slightly affected, who take time by the forelock, get well in a few months, and return to their homes perfectly cared. 2. Those more seriously affected, who never fully recover the use of their lungs, but by a permanent residence in Minnesota enjoy comparative

ng to Consumptives,

GO TO HINNESOTA AND WHO SHOULD NOT.

om a leller, daled, St. PAUL, 24, 1865:

the object of your correspondany argument upon the rela-of a northern or southern cli-cure of that fell destroyer of and happiness, consumption, o give his experience a square a sojourn of several norths which is fast becoming one popular resorts for invalids ts of the Union. Neither do e understood as claiming fer entire immunity from disease the climate is a sovoreign all cases of consumption; but, I observation, I believe I am asserting that there is no lois continent so exempt from that flesh is heir to' as this. is of the atmosphere, the pe-acter of the soil, the almost ce of fogs and moist winds, all to render the climate one of

alubrity. at stages, consumption appears adily to the peculiar influence to; and, even in the more ad-cos of the disease, the patient, ued r. sidence in this country, mont relief and comparative I find that three classes of on this country in search of hose slightly affected, who by the forelock, get well in a and return to their homes red. 2. Those more seriously to never fully recover the use gs, but by a permanent resi-linnesota enjoy comparative

of the invalids who arrive here are not of the first class. Unfortunately, owing to the first class. Unfortunately, owing to the ignorance of physicians, the disease is seldem detected in its first stages; and is is not until a hemorrhage takes place, or, tubercles commence to soften, that they see the necessity for the removal of the patient to a more salubrious cli-

mate.
The second, or predominating class, are scattered all over the entire State, from the Iowa line to the shores of Lake Superior. Go where you will through Minnesota and you will meet persons, apattinesots and you will meet porsons, apparently in good health, who could not exist two years under the influence of the cold moist winds of the Atlantic States. Many of them arrive here quite low, but, with the help of a good constitution and the peculiar salubrity of the climate, they manage to rally and enjoy tolerably good health. In one or two in-stances which came under my observation, the patients had to be removed from the steamboat in a carriage, and soveral months elapsed before any visible im-provement could be noted; but finally patients commenced to mend, and the clear, bracing atmosphere of winter the clear, bracing atmosphere of winter anything like the approximate number of soon restored them to health. A few invalids in the State, for there are no Sundays ago we buried one of the oldest residents of this city, who had been ill with consumption for fifteen years. He summer you find them scattered all over had been sick with the disease three the State, amusing themselves by fishing years when he entered the State, and did and hunting. The attractions in this not expect to live many months; but he rallied, and by a continued residence in the country managed to prolong his entire surface of the State is dotted with the country managed to prolong his entire surface of the State is dotted with

good health. 3. Those who wait until it is too late, and arrive here only to linger possession of Laith, tell you that it would be impossible for them to exist "It is to be regretted that the majority East."

"Of the third class not much need be "Of the third class not much need be said. They never ought to come here, as the fatigue and excitement of the journey only tond "a hasten death. Some die on their way up the river, some at the hotels and boarding-houses before they have been domiciled among us a fortnight, and others, feeling that death is inovitable, start for home before they have been a week in the country.

"A very intelligent gentleman from New York, whose acquantance I made when I first arrived in St. Paul, estimated that about three out of every ten persons who came here afflicted with lung complaints recovered so as to be able to return to their homes, and that over fifty per cent. of the invalids were afforded permanent relief. My inform-ant, who is an invalid himself, has spent in the enjoyment of apparent good health, says he will never be able to live in his native place again. three years in the State, and, althou sais with the state of the state of the state of the sent East for his family, and intends going into business here.

"It would be a difficult task to arrive at

years when he entered the State, and did not hunting. The attractions in this radical control of the rallied, and by a continued residence in the country managed to prolong his existence a dozon years. Some of the lakes, varying in circumference from one caaning business men of this city, men mile to one hundred, which abound in the largest and choicest kind of fish. Ife, belong to the second class, and, Pickerel, weighing from twelve to fifteen

pounds, bass, wall-eyed pike and trout in proportion are caught in large quantities in all the lakes and rivulets. Trolling on the lakes is especially recommended by the physicians as the most fitting exorties for invalids who are too reduced to follow the more fatiguing sport of guanting. In the fall of the year, which is certainly a delightful season, the woods abound with deer, partridges and quait, while the stubble fields furnish the Nimrod with all the praine orlictons he can sumptives. A belief is prevalent have abound with deer, cartridges and quait, while the stubble fields furnish the Nimrod with all the praine chickens he can carry in an ordinary sized wagon. Geese and ducks of the finest flavor frequent the lakes in immense flocks, and afford splendid sport. Occasionally you stumble upon a bear, but invalids are not very partial to Bruin as a general thing, and highly beneficial for small parties to take up their quarters in the wilderness, and spend the winter partial to Bruin as a general thing, and highly beneficial for small parties to take up their quarters in the wilderness, and spend the winter there with the numerous gangs of lumber-menutury is by no means as expensive as some would imagine. Board at the best hotsli in St. Paul can be procured cheaper than at the East, and in the country towns one can live very comfortably for about five or six dollars a

Railroads of Minnesota, 1968.

The following Table, based upon in- deemed reliable, presents the condition of formation obtained from sources that are Railroads now in process of construction:

,	TALE NAME AND APPLE OF THE O	Miles	od.
	Winons and St. Peter Railroad.	105	
	Winona and St. Peter Railroad Minnesota Central Railway Ist Div. St. Paul and Pacife—Main Line	812	
	1st Div. St. Pani and Pacific-Upper Miss. Branch	75	
•	Bt. Paul and Pacific—Winona Branch	77	free
8	Southern Minneauta Railroad	90	Ç;
	Laka Superi 2 and Mississippi Railroad		
	Total.	476	3-

Geological Survey.

The State Geologist, in his late resourches has confirmed the hope that vast and rich beds of iron and copper ore would be found within the counties bor-

46 - 16

vinter sets in, the invalids all owns, v. here they can spend ore agreeably than they can y. Such places as St. Paul. St. Anthony, St. Cloud. ad Winona are crowded with the citizens derive no little e presence of such visitors, which extend along the St., and run as far north as Lake nd run as far north as Lake and run as far north as Lags e much frequented by conA belief is prevalent here e emits an odor which is peing, and highly beneficial for nee it is no uncommon thing rises to take up their quarters rness, and spend the winter ne numerous gangs of lumber-d in felling trees and hauling banks of the neighboring the view of floating them. Croix in the spring. Those the strength and courage to wild mode of life generally the most beneficial effects, spring are enabled to return ty."

able, presents the condition of ow in process of construction:

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215	. 54
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476	
بالبسياء تلتيبانيسي	
e northern shore	1

in the vicinity of Lake Verin the vicinity of Lake Ver-it. Louis County, he has dis-ns of gold and silver bearing, promise to be highly valuable ive.

24 : 2 1839 . 17 Northern Pacific Railroad-Northwestern Minnesota.

Extract from a Correspondent of the New York Evening Post, dated, St. CLOUD, Minn., August 29, 1867.

pany has now four surveying parties of fifteen men each at work in the field making surveys to enable the chief engineer to a vignate the most auitable route. One of these began operations at Bayfield, on Lake Superior, and is sur-veying westward toward this point. veying weatward toward this point. The other began at Superior City, and has got through to the Mississippi, a little above Crow Wing. The country through which these parties are passing is principally a forest, alternating with hard wood and pine; the surface somewhat broken but well watered. The will led widdling unlitte and in some soil is of middling quality, and in some places there is an abundance of stone.

"The Northern Pacific Railroad Comany does not contemplate building any eart of this road until it receives from Congress the same kind of aid that has been extended to the Central or Union route; namely, a loan of the national credit to the amount of sixteen thousand dellars per mile for the main part of the line, twice that amount as the line ap-proaches the mountains, and treble that amount over the most difficult part of the mountains on its route to Puget Sound. The friends of this road claim that it is five hundred miles shorter than the Central route, and that it acquires

"The Northern Pacific Railroad Cominy has now four surveying parties of
fleen men each at work in the field
aking surveys to enable the chief enincer to a signate the most auitable country to the Red River had made some progress, but three years later the Indian outbreak gave it a severe blow, from which it only began to rally about two years ago. The fact that this tour to the Red River took in eleven respect-able villages, besides the stations of Chippewa and Pomme de Terre, will show to what extent the settlements; have grown. The names of those will show to what extent the settlements have grown. The names of those villages are as follows: St. Joseph, Cold Spring, Richmond, New Munich, Sauk Center, Osakia, Alexandria, McCaulayville, Battle Lake, Ottertail City, and Holmes City. Some of these are places supporting three or four good stores, while Sauk Center is a busy village of these thanks the busy design of the control of about eight hundred inhabitants, hav milis, a printing-office, and a weekly iournal.

"The famed Sank Valley is a little more than sixty miles in extent, following the stage road along the bend of the river. For the first forty miles it is river. For the first forty miles it is settled pretty thickly by Germana, and thence on chiefly by Americans. The abundant wheat, cat, and potato crop indicated the favorable condition of the soil and of the people. From St. Joseph to New Munioh a road has been cut through the timber, shortening the distance fifteen miles to Sauk Center, but it has not been sufficiently worked to be traveled, except in winter. It may be remarked that the Germans in this valley are Roman Catholics, and from St. the Central ravie, and that it acquires peculiar advantage by its connection with great natural water channels.

"Mr. Johnson, the chief engineer, after visiting Bayfield and Superior, went down to St. Paul on the military stage road, and thence by rail to this point and Souk Rapids, and by stage to Crow Wing. After examining that region, and going ley are Roman Catholics, and from St. up as far as the French Rapids of the Misslasippi in a cases, he raturned to St.

"From Sauk Center to Pomme de Terre, on the stage route, the country is elevated and rolling prairle, but well sup-plied with timber and watered by numerous clear streams and beautiful lakes. The route passes close to the Osakis and Pelican Lakes, the view of and country round each being exceedingly charming The succession of prairie, groves, and lakes in the vicinity of Alexandria also render that region most agreeable to the eye. Cultivated farms are now numcrous in that locality. Handsome harvest fields are also to be seen at Chippewa, Evansville, and Pomme de Terre; but, as a general thing, after getting a few miles from Alexandria, the settlements are some distance off from the route, the are some distance off from the route, the first settlers having gone to timber or the lake shore to cull the most laviting tract. At Chippewa and Pomze do Terre are ample log buildings, surrounded by desirable stockades, erected soon after the Indian outbreak.

"One mile west of the latter station the Pomme de Terre River is easily forded, and thence on the country soon becomes more level till the broad horizon bounded valley of the Red River is reached. The soil in that valley is remarkably rich, and the surface continues level to the Cheyenne and beyond. The Red River flows so stealthily in its nar-row banks that the traveler comes upon it unexpectedly. Though its general course is direct, it has frequent abrupt bends, and its current, though strong and rapid, seems never to wear its tenacious banks, so as to give itself more room, but keeps on in its obscure and confined channel, thus rendering itself more liable to overflow. In its upper valley there is no appearance of rock, except occasional bowlders of granite and limestone.

of country, which is just beginning to be settled. On a rise of ground one mile north of Chippewa the view takes h. an expanse of many miles of luxuriant prairie and meadow, skirted with timber, through which, toward the northwest, can be seen a silver gleam of lake. Many anug cabins and ample fields of ripened anug cabins and ample fields of ripened wheat were also visible, while further to the north the Leaf Hills, rising to a height of 250 feet, gave picturesqueness to the delightful prospect. In some places the prairie grass was five feet high, and was rapidly making into hay by the settlers. In that locality was noticed one of the handsomest homesteads that could well be imagined; the natural beauty of which could hardly he natural beauty of which could hardly be improved by the most skillful land-cape artist. On one side is a lake just visible through the trees. The soil is of the best quality and covered with huxuriant pest quanty and covered with inxurant grass, and for half a mile on each side of the road are clusters of tall and thrifty oaks, so that the traveler can simost fancy he is traversing the lawns and avenues of some old estate of an English nobleman.

"The Otter-Tail Lake is a large and beautiful sheet of water, having handsome prairie-sloping shores, fringed with forest. The soil for the most part, how-ever, is only second-rate. From the vil-lage at the head of the lake to Leaf Lake is the poriage of a mile and a half in extent, over which, in former years, many explorers have passed in going from the waters of the Mississippi and the Gulf of Mexico to those of liudson

There are not less than 500,000 square miles of most productive soil, with a favorable climate, in Minnesota, Dakota, bowlders of grante and limestone.

"Going north from Chippewa the first
five miles are through a splendid region its outlet to the eastern markets through which is fust beginning to be a rise of ground one mile ippewa the view takes it an many miles of luxuriant neadow, skirted with timber, nich, toward the northwest, silver gleam of lake. Many also visible, while further to 50 feet, gave picturesqueness lightful prospect. In some prairie grass was five feet ras rapidly making into hay tlers. In that locality was tlers. In that locality was of the handsomest home-could well be imagined; the uty of which could hardly be y the most skillful land-cape one side is a lake just visible trees. The soil is of the for half a mile on each side of for half a mile of each state of re clusters of tall and thrifty that the traveler can almost a traversing the lawns and some old estate of an English

tter-Tail Lake is a large and heet of water, having hand-e-sloping shores, friuged with the soil for the most part, howly second-rate. From the vil-e head of the lake to Leaf portage of a mile and a half over which, in former years, lorers have passed in going waters of the Mississippi and f Mexico to those of liudson

e not less than 500,000 square whose less than bud, but square most productive soil, with a blimate, in Minnesots, Dakots, tish Possessions, north of the lel of latitude, which will find to the eastern markets through Lake Superior, as soon as a railroad is built from the Upper Mississippi and the 2,000 miles, and the distance from the Red River of the North to Superior City or dayfield. That great region can have no other outlet that can compete with the Great Lakes, the River St. Lawrence, and the Eric Canal.

and the Eric Canal.

The Northern Pacific Railroad,* as soon as its esstern division is completed to the Red River of the North, in connection with the Lake Superior and Misstsuppi Railroad, running from St. Paul to the head of Lake Superior, 160 miles, will give such an impetus to the commerce of the upper lakes, or "Inland Sess," as to build up a city, or cities, that will vie with Chicago or St. Louis in magnitude.

LAKE SUPERIOR AND MISSISSIPPI RAIL-ROAD.

This much needed connecting link between the navigable waters of the Upper Mississippi and the head of Lake Su-perior, 160 miles in length, is of the utost importance to both Canada and the United States. It is now in the course of construction, and when completed will afford an uninterrupted route of travel from the Gulf of Mexico to the Gulf of St. Lawrence. The distance from St.

St. Lawrence. The distance from St.

* The charter of the Normusan Particle Rattendra Properties of the Particle Rattendra Properties of the Particle Rattendra Properties of the Michael Properties of the Properties of the Michael Properties of the Properties of the Michael Properties of the Michael Pr

This international and inland route, passing through the most fertile region of the United States and portions of Canada, is destined to form the shortest cand most desirable through line of transit from North America to Europe, carrying the mineral, agricultural, and other pro-ducts of this wide extended region of country.

country.

This great route, in connection with
the Northern Pacific Railroad, for which
a very liberal grant of land has been
given by the United States Government,
ought to encourage capitalists both in
America and Europe to invest their surplus means so as to insure their early completion.

THE UPPER MISSISSIPPI VALLEY AND THE GREAT LAKES.

Extract from the United States Railroad and Mining Register, dated May, 1867.

"A glance at the map of North-America—including in the view the con-tinent from sea to sea—always draws attention to the river system of the Mis-siasippi Valley which empties into the Gulf, and to the group of great lakes which empty down the St. Lawrence.

"The falls at the outlet of Lake Su-

is Superior City. From Chicago and from Superior City there will be unbroken communication by iron rail, or direct routes, through to the Pacific Ocean.

"It is an object to shorten the water line from the points of termination of lake navigation to the Atlantic scaports, and to do this effectually it is only necessary to construct 80 miles of canal and improve 16 miles of river navigation.

"From Gaorgian Bay to Lake Ontario the distance is 100 miles. Between these two navigations is Lake Simcee, navigable for 24 miles, and serving for an inexhaustible and abundant summit supply of water, leaving, to connect Lakes Michigan, Superior, and Huron, but 18 miles of river improvement and 60 miles of river improvement and 60 miles of canal, to save 375 miles of distance over the route through the St. Clair Flats and the Welland Canal.

"What, then, in future time, will be

STAGE ROUTE,

Via MILITARY ROAD, running from the CITY OF SUPERIOR, Wis., to Sr. Paul, Minn.—Distances, &c.

	301-0	Going North.	Miles.
Going South.	Miles.	St Don't	0
Superior City		Titl Course D. O.	6
Minnesota State Line	. 15	Little Canada, P. O	10 10
Pine Grove	116	Centerville	1410
Clear Creek	117	Wyoming	1452
Twin Lakes, P. O	K99	Suprise City, P. O	1501
	6_98	Rushsaha	11-02
Black Hoof	10 40	Chengwatana, P. O	11-73
Frose Lake	10 50	Door Creek	1790
metde River	. 11-01	Deer Creek	13-103
Deer Creek	. 1370	Veline Vince	
Chenmadana, P. O	. 17-01	MOORS Tare	10 100
Rushseba	. 11-98	DIRCK TIOOT	12132
Sunrise City, P. O	. 11-109	1 Win Lakes, 1. O	
Wyoming	19-128	Clear Creek	5-143
w young	14-149		
Centervilla	10 184	Wisconsin State Line	1-145
Litze Canada, P. U	. 14-10-	Sementar City	15-160
St. Paul	. 0-100	anherior cich	
Tlenel	Time 21	dows Fare, \$18.	

Usual Time, 21 days. F

Superior City to St. Paul, Minn.

iveness of the Huron and On-Canal, which will cut off 375 stance between Chicago and and 428 miles between Chiake Ontario, the distributing estern trade, the St. Lawrence of for Canada, the New York is and the Hudson River are is and the Hudson River are ry New York, and the New canals to Eimira and the ne Valley canals, with a gently lockage to tidewater in the stand commercial project of the and commercial project of the

and commercial project of the kes Lake Ontario the dispasin of the whole northwest the United States and Canada. is of this immense trade will we through the St. Lawrence in als extending to the Hudson hence to the city of New York.

OF SUPERIOR, Wis., to

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	Miles.
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e, \$16.

The Military Road, extending through the States of Wisconsin and Minnesots, runs noarly parallel to the line of the Lake Superior and Mississippi Railroad, now in progress of construction, being about 180 miles in length; the Stage route passing for most of the distance through an unbroken forest, with but few openings or settlements. A large growth of white pine is passed near the State line, 15 miles from Superior City; for the remainder of the distance there is a mixed forest, abounding in hard and soft wood, with ocasional burnt districts, presenting a gloomy appearance.

presenting a gloomy appearance.

The road for most of the distance of the first eighty miles is exceedingly rough and the soil of a second-rate charrough and the soil of a second-rate character, while the public houses, or stopping places are of the rudest kind, affording a specimen of pioneer life in the wilderness. On reaching Changuadana, the county seat of Pine County, Minn, the county seat of Pine County, Minn, the character of the country begins to improve, and occasional cultivated fields improve, and occasional cultivated fields are passed, also several small lakes. During the months of July and August the traveler is most terribly annoyed by the mosquitoes, which are here encountered in immense numbers. Nothing but a mosquito-net, properly fastened over the head will afford relief from these tormentors.

The speedy co spletion of the railroad

On arrival at St. Paul, during warm weather, the tourist is refreshed by the comforts and attractions centered at this point, where may usually be found point, where may usually be found pleasure-seeking travelers and invalids from every section of the country. A subject of complaint with many strangers is the limestone water which prevails in this section of the Mississippi Valley, added to which is the wast of proper vantilation and cleanliness in the public ventilation and cleanliness in the public houses. It is to these, by many con-sidered small evils, that often health and sidered small evils, that often health and enjoyment is seriously affected, while in the moral world ernoeous and peraicious sentiments alike damage the community. So sensitive are our moral and physical faculties, that, when rightly threed, we enjoy the breathing of the purn atmosphere, the gorgeous sunset, the falling of waters, the ainging of birds, and the perfume of the wild rose and other flowers that adorn the wide-spread prairies, as well as good food, raiment. The speedy or sulction of the resilroad counecting the waters of the Upper Mississippi with those of Lake Superior is a work of pressing importance. As soon as finished it will afford a water and rall-road communication from the Gulf of Moxico to the Gulf of St. Lawrence, a total distance of upward of 3,000 miles. American public.



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PORTAGE ROUTE FROM LAKE SUPERIOR TO LAKE WINNIPEG.

STARTING FROM FORT WILLIAM, C. W.

KAMINISTAQUOIAH RIVER, emptying into Thunder Bay of Lake Superior, for is the west boundary of Canada proper; to the north and west lies the extensive region or country known as the Hudson Bay Company's Territory. Here commences the great Portage Road to Rainy Lake, Lake of the Woods, and the Red River settlement; also, to Lake Winnipeg, Norway House, and York Factory, situated on Hudson Bay. At the month of the Kaministaquoiah stands Fort William. "The banks of the river average in height from eight to twenty feet; the soil is alluvial and very rich. The vegotation all along its banks is remarkably thrifty and iuxuriant in its appearance. The land is well timbered; there are found in great abundance, the fir-tree, birch, tamerack, poplar, eliu, and the spruco. There is also white pine, but not in great plenty. Wild hops and peas are found in abundance, and some bushes and other flowering shrubs, in many places cover the banks down to the very margin of the river, adorning them with beauty, and often filling the air with fragrance. The land on this river up to the Mountain Full, situated on this river up to the Mountain Full, situated on this stream, is thus described: "We had great difficulty in finding it at first, but, guided by its thundering roar, through such above the form whence it was visible. The whole river plunged in one broad white sheet, through a space not more than fifty feet wide, and over a precipice of higher, by many feet, than the Niagara Falls. The concave sheet comes together about three-

Portage. It lies seven or eight hundred fect above Lakes Superior and Winnipeg, and 1,433 feet above the sea."

The Savan River, which is first formed by the waters of the Swamp, enters into the Lac Du Mille, or the Lake of Thousands, so called because of the innumerable islands which are in it. This lake is comparatively narrow, being sixty or seventy miles in length.

The River Du Mille, the outlet of the Lake, is a precipitous stream, whereon are several portages, before entering into Lac La Pluie, distant 350 miles from Fort William.

Rainy Lake or Lac la Pluie, through which "Lake or Lac la Pluie, distant 350 miles from Fort William.

Rainy Lake or Lac la Pluie, through which "Lake or Lac la Pluie, distant 350 miles from Fort William and averages about ten miles in breadth. It receives the waters flowing westward from the dividing ridge separating the waters flowing into Lake Superior.



PULLING A CANON UP THE RAPIDS.

AKE RIVER, the outlet of the same name, is a magnificent water; it has a rapid current es about a quarter of a mile in water, it has a rapid terms es about a quarter of a mile in banks are covered with the age of every hue; the trees in are large and varied, consisting ar, poplar, oak, birch, and red pines; also an abundance of gaudy and variegated colors, is also very fine, with a rich, ill calculated to sustain a dams as any part of Canada.

TOF THE WOODS, or Lac Dales in length, and from filteen dive miles wide, is a splendid ter, dotted all over with huminatiful islands, many of which if with a heavy and luxuriant arm and frequent showers oc-

arm and frequent showers oc-farm and frequent showers oc-May and June bringing forth at a rapid rate, although situated degree of north latitude, from tends westward to the Pacific

Ocean, the boundary line between the United States and Canada.

"There is nothing, I think, better calculated to awaken the more solemn feelings of our nature, than these noble lakes studded with innumerable islets, suddenly bursting on the traveller's riew as he emerges from the sombre forest rivers of the American wilderness. The clear, unruffled water, stretching out on the horizon; here intersecting the heavy and luxuriant foliage of an hundred woody isles, or reflecting the wood-clad mountains on its margin, clothed in all the variegated hues of auctions in the neighborhood of Lake Superior, near Fort William. They grow apring wheat here to perfection, and vegetation is rapid, luxuriant, and comes to maturity before frosts occur."

The whole region of country surrounding Lake Winnipeg, the Red River country, as well as the Assiniboine and Saskatchewan country, are all sooner or later ing the wood-clad mountains on its margin, clothed in all the variegated hues of autumn; and there glittering with dazzling brilliancy in the bright rays of the evening sun, or rippling among the reeds and rushes of some shallow bay, where bundreds of wild fow leather as they feed with varied over randaring more and feed with varied cry, rendering more ap-parent, rather than disturbing the solemn stillness of the scene: all tend to raise atilness of the scene: all tend to raise the soul from nature up to nature's God, and remind one of the beautiful passage of Scripture, 'O Lord, how marvelicus are thy works, in wisdom hast thou made them all; the earth is full of thy riches.'"

The WINNIPEG RIVER, the outlet of the

katchewan country, are all sooner or later destined t sustain a vigorous and dense population.

LAKE WINNIPEG,

Situated between 50° and 55° north latitude, is about 300 miles long, and in several parts more than 50 miles broad; having an estimated area of £,500 square miles. Lake Winnipeg receives the waters of numerous rivers, which, in the aggregate, drain an area of about 400,000 square miles. The Saskatherons (the river that runs fast) is its most important tributary. The Assiniboine, the Red River of the North, and Winnipeg River are its other largest tributaries, altogether discharging an immense amount of water into this great inland lake. It is sevated about 700 feet above Hud-on Bay, and discharges its surplus water through Nelson River, a large and magnificent stream, which like the St. Lawrence is filled with islands and numerous rapids. Situated between 50° and 55° north The Winnipes River, the outlet of the Lake of the Woods, is a rapid stream, of large size, falling into Winnipeg Lake, 3 miles below For Alexander, one of the Hudson Bay Company's Posts. A great number of Indians resort to the Fort every year, besides a number of families who are residents in the vicinity, here being one of their favorite haunts.

Rev. Mr. Ryerson remarks:—"The scenery for many miles around is strikingly beautiful. The climate for Hudson's Bay Territory is here remarkably fine and salubrious, the land amazingly rich and productive. The water in Lakes Lao La Phuie, Lao Du Bois, Winnipeg, &c., is not deep, and because of their wide surface and great shallowness, during the aummer season, they become exceedingly warm; this has a wonderful effect on the

Lake.

Lakes Manitobah and Winnipego-sis, united, are nearly of the same length as Winnipeg, lying 40 or 50 miles westward. Nearly the whole country between Lake Winnipeg and its western rivals is occupied by smaller lakes, so that between the valley of the Assimiboine and the eastern shore of Winnipeg fully one-third is under water. These lakes, both large and small, are shallow, and in the same water area show much uniformity in depth and coast line. and coast line.

Lakes in the Valley of the Saskatchewan.

Length in miles. Winnipeg,280	Breadth in miles, 57	in feet. 628	n Area in m's. 8,500
Manitobah 122	24	670	2,000
Winnipego-sis, 120 St. Martin, 30	27 16	692 655	350
Cedar,30	25 12	688 700	350 200
Dauphin,21	12	100	. 200

the north or northwest, blowing over the frozen surface of that inland sea, has an

reventing navigation entirely below Cross immediate effect on the temperature during the Spring months. On the other Lakes Manitobah and Winnipego-sis, united, are nearly of the same length as Winning the Spring months. On the other hand, the Fall is generally open, with mild, dry, and pleasant weather.

Red River of the North.

This interesting section of country being closely connected with the Upper Lakes, and attracting much attention at the present time, we subjoin the following extract from "MINNESOTA AND DACOTA," by C. C. Andrews:

C. Andrews:

"It is common to say that settlements have not been extended beyond Crow Wing, Minnesota. This is only technically true. A few facts in regard to the people who live four or five hundred miles to the north will best illustrate the nature of the climate and its adaptedness to agriculture. culture.

"There is a settlement at Pembina, near the 49th parallel of latitude, where the di-viding line between British America and viding lino between British America and the United Statz a crosses the Red River of the North. Pembina is said to have about 600 inhabitants. It is aituated on the Pembina River. It is an Indian-French word meaning 'Cranberry.' Men live there who were born there, and it is in fact an old actilement. It was founded by British subjects, who thought they had located on British soil. The greater part of its inhabitants are half-breeds, who earn a comfortable livelihood in fur-hunting and farming. It is 460 miles northwest of St. Paul, and 330 miles distant from Crow Wing. Notwithstanding the distance, Paul, and 330 miles distant from Crow Wing. Notwithstanding the distance, there is considerable communication between the two places. West of Pembins, about thirty miles, is a settlement called St. Joseph, situated near a large mythological body of water called Miniwakin, or Devil's Lake.

"Now let me say something about this

effect on the temperature du-pring months. On the other Fall is generally open, with and pleasant weather."

KES.

River of the North.

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is a settlement at Pembina, near arallel of latitude, where the dibetween British America and Statr's crosses the Red River of Pembina is said to have about itants. It is situated on the River. It is an Indian-French sing 'Cranberry.' Men live there born there, and it is in fact an ment. It was founded by Britts, who thought they had locatish soil. The greater part of ants are half-breeds, who carm ble livelihood in fur-hunting and It is 460 miles northwest of St. 330 miles distant from Crow

It is 460 miles northwest of St. 330 miles distant from Grow Votwithstanding the distance, sonsiderable communication betwo places. West of Pembina, try miles, is a settlement celled, situated near a large mythody of water called Minimakin, or the tree are something about this let me say something about this

let me say something about this is of the North, for it is begin-

mouth of the Sioux Wood Kiver for vessels of three feet draught for four months in the year, so that the extent of its navigation within Minnesota alone (between Pembina and the mouth of Sioux Wood River) is 400 miles. Buffaloes still feed on its western banks. Its tributaries are numerous and copious, abounding with the choicest kind of game, and skirted with a various and beautiful foliage. It cannot be many years before this magnificent valley (together with the Saskatchewan) shall pour its products into our markets, and be the theatre of a busy and genial life.

and be the theatre of a busy and genia ite.

"Red River Settlement is seventy miles
north of Pembina, and lies on both sides
of the river. Its population is estimated
at 10,000 souls. It owes its origin and
growth to the enterprise and success of
the Hudson Bay Company. Many of the
settlers came from Scotland, but the most at 10,000 souls. It owes its origin and growth to the enterprise and success of the Hudson Bay Company. Many of the settlers came from Scotiand, but the most were from Canada. They speak English and Canadian French. The English style of society is well kept up, whether we regard the Church with its bishop, the trader with his wine-cellar, the scholer with his wine-cellar, the scholer with his bishry, the officer with his sinecure, or their paper ourrency. The great business of the settlement, of course, is the fur traffic.

"An immense amount of Buffalo skins as taken in summer and autumn, while in

and it t

雅治,

ning to be a great feature in this upper the winter smaller but more valuable furs country. It runs north and empties into are procured. The Indians also onlist in the hunts; and it is estimated that upward son Bay by Neison River. It is a muddy and sluggish stream, navigable to the mouth of the Sioux Wood River for vessels of three feet draught for four months in the year, so that the extent of its navigation that it is navigation to the stream of the stream

government.
"The Hudson Bay Company is now a powerful monopoly. Not so magnificent and potent as the East India Company, it is still a powerful combination, showering opulence on its members, and reflecting a peculiar feature in the strength and grandeur of the Britiah empire—a power which, to use the eloquent language of Daniel Webster, 'has dotted over the whole surface of the globe with her possessions and military posts, whose morning drum-beat following the sun, and keeping company with the hours, circles the earth daily with one continuous and unbroken strain of martial music.' The comnany is growopulence on its members, and reflecting a

on the six south

TARLE OF DISTANCES,

From Fort Williams, SITUATED AT THE MOUTH OF THE KAMISTAQUOLAR RIVER, to Fort Alexander, at the sead of lake Wilsiped.

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" Red River Beacon" Lower Fort	23 7
H Thomas Carry	42 0
From FORT ALEXANDER to NORWAY HOUSE, passing through Lake Win	nibe

200 miles.
From Norway House to York Factory, passing through Oxford Lake and Hayes
River, 400 miles.

Summit, elevated 840 feet above Lake Superior.

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HEAT THE RESERVE OF THE PARTY O

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ALLENTOWN LINE

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ting through Lake Winnipeg,

rough Oxford Lake and Hayes

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FOR THE WEST,

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At 9 A. M., and 5 and 8 P. M.

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outh, for Dixon, Fulton, Clinl Bluffs, and Omaha; Rock-Dunleith, Dubuque, Independrie dn Chien, La Crosse, St. Berlin, Green Bay, Escanaba,

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244 miles from Chicago, with Ohio and Mississippi R. R., east for Vincennes, Evanaville, Louisville, and Cincinnati—west for St. Louis, Kansas City, Leavenworth, Lawrence, and Topeka. At

365 miles from Chicago, connections are made with Mobile and Ohio R. R., for Jackson, Tonn., Memphis, Grand Junction, Holly Springs, Oxford, Canton, Grenada, Columbus, Meridian, Jackson, Miss., Vicksburg, Selma, Mobile, and New Orleans. Connections are also made at Carro with Steamboats for all points on the Lower Missiesippi.

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Sarana, and Milwaukee.

At Dixon, 103 miles from Dunleith, connections are made with the Iowa Division of Chicago and North western R. R., east for Chicago—west for Fulton, Clinton, Lyons, Codar Rapids, and Des Moines.

At Mendota, 131 miles from Dunleith, connections are made with the Chicago, Burlington, and Quincy R., east for Chicago, west for Galesburg, Burlington, Quincy, Keckuk, and St. Joseph.

At Lit Salle, 147 miles from Dunleith, connections are made with the Chicago and Rock Island R. R., east for Joliet and Chicago, west for Peoria, Rock Island, Muscatine, Iowa City, and Des Moines.

At Lin Saile, 147 miles from Dunleith, connections are made with the Chicago and Rock Island R. R., east for Joliet and Chicago, west for Peoria, Rock Island, Muscatine, Iowa City, and Des Moines.

At El Paso, 189 miles from Dunleith, connections are made with Toledo, Peoria, and Worsaw R. R., east for Logansport, west for Peoria.

At Bloomington, 207 miles from Dunleith, connections are made with Chicago and Alton R. R., for Springfield, Alton, and St. Louis.

At Decatur, 251 miles from Dunleith, connections are made with Toledo, Wabash, and Western R. R., east for Lafayette, Logansport, Fort Wayne, and Toledo, west for Springfield, Jacksonville, Quincy, and Keokuk

At Paun, 283 miles from Dunleith, connections are made with St. Louis, Alton, and Terre Haute R. R., east for Terre Haute, Indianapolia, Louisville, Cincinnat: Wheeling, Pittsburgh, Baltimore, &c., west for Alton, St. Louis, Kansas City, Leavenworth, Lavrence, Topeka, &c.

At Sandoval, 337 miles from Dunleith, connections are made with Ohio and Mississippi R. R., east for Vincennes, Evansville, Louisville, and Cincinnati, west for St. Louis, Kansas City, Leavenworth, Lawrence, Topeka, &c.

At Cairc, 456 miles from Dunleith, connections are made with Mobile and Ohio R. R., going south for Jackson, Tenn., Memphis, Grand Junction, Holly Springs, Oxford, Grenada, Columbus, Canton, Meridian, Jackson, Miss., Vicksburg, Selma, Mobile, and New Orleans; connections are also made at Cairo with Steamboats for all points on the Lower Mississippi.

Alegant Siecephing Cars attached to Night Trains.

Through Tickets and Baggage Checks issued to all important points.

Passengers, to avail themselves of quick time, combined with comfort and

Passengers, to avail themselves of quick time, combined with comfort and safety, should see that their Tickets are via Illinois Central R. R.

W. P. JOHNSON,

Gen'l Passenger Agt., Chicago.

M. HUGHITT, Gen'l Supt., Chicago.

RAILROAD

CAIRO.

Memphis, Vicksburg, outh and South-west. North-west to Chicago and all

S leave Dunleith (opposite ners from St. Paul and Trains

ith, with the Galena Divisions Belvidere, Elgin, and Chicago. nion R. R., for Beloit, Racine,

ions are made with the Iowa for Chicago-west for Fulton,

nnections are made with the Chicago, west for Galesburg,

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Topeka, &c.
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lian, Jackson, Miss., Vicksburg,
also made at Cairo with Steam-

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e, combined with comfort and central R. R.

M. HUGHITT. Gen'l Supt., Chicago.

EIGHT HUNDRED THOUSAND ACRES

FARMING AND FRUIT LANDS, FOR SALE BY THE

ILLINOIS CENTRAL RAILWAY,

All lying adjacent to this Railway, and none being farther from it than 15 miles.

It is a well known fact, that while only about one-rourin of the tiliable agrees of illinois are yet under entitivation, its agreeitural products of a sheady exceed those of any other State. The wonderful fertility of the sign only yielding such bounters a returns to the husbandman for his lator; of the mandinery so extensively used in reducing the cost of production part that anothery so extensively used in reducing the cost of production. The and the anali ax, ease to the producer in the transportation of his property and ducts to marke, all combine to make farming in Illinois a safe, sure, and profitable pursuit.

Is very profitable, patience and industry being the heavier portions of the capital required. A crop here ecitom if ever faits. The early ripering of fruit enables the grower to command the high prices of the base of the case of in all the Northern country.

A SPECIAL FRUIT EXPRESS TEAIN of Berigentor Car-Chicago during the Fruit Season, and over 1,000,000 boxes of pes-saides inree quartities of beries and other fruits, were shipped to orthern markets from the gardens and orthards of Egyptian III

For Grain of all kinds, and Stock-raiding, these lands possess unsurpassed advantages. The cattle trade has become immense; out of 298,592 beoves received in 1807 into New York, 177,028 were fattened on the prairies of Illinnis.

The receipts of hogs at Chicago in 1867 were 1,981,405. Sheep thrive well, requiring fadder but a short season, and cheese-factories are being successfully established along the entire line.

These lands are all adapted to the varied productions of the temperate zune, and from their rich, deep soil, yield with less labor, and in much receiter abundance, all the crops common to New England and the Middle States. Machinery for planting, entityating, and harvesting does the work of many hands. Grain is shipped in bulk from all stations, thus saving the expense and trouble of bagging. The climate is genial and healthy, the taxes are low, and churches and schools of all grades (the latter supported by a public fund) abound along the whole line.

The title to these Lands is clear, and in fee-simple from the State. For full information on all points, address

JOHN B. CALHOUN, Land Commissioner, Illinois Central R. R. Co., 58 Michigan Avenue, Chicago, Ill.

Milwaukee and St. Paul

RAILWAY.

Passenger Trains Leave and Arrive at Milwaukee, as follows: PRAIRIE DU CHIEN DIVISION.

11:00 A. M. 9:00 P. M. LA CROSSE DIVISION.

Connecting with Steamers on the Mississippi River.

THE RESERVE

GOING EAST AND WEST. Milwaukee, St. Paul & Minneapolis

BAILWAY.

TWO DAILY TRAINS EACH WAY,"

Via MeGREGOR, PRAIRIE DU CHIEN, AND MILWAUKEE, THE ONLY ALL RAIL LINE, .

And the only Route by which Baggage is Checked THROUGH, to

MILWAUKER, CHICAGO, NEW YORK, and all Eastern Points. Passengers change cars only at terminal points, thus securing seats in clean Coaches and full nights' rest on night trains.

Passenger Trains Leave and Arrive at West St. Paul, as follows:

TABLE OF DISTANCES.

Milwankee to La Crosse, Ratiroad	195 miles
La Crosse to St. Pani, Stamboat	210-405 miles
Milwankee to Pariré du Chien, Ratiroad	210-405 miles
Prairte du Chien to St. Paul, Ratiroad	312-506 miles
Chien to St. Paul, Ratiroad	312-506 miles
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TICKETS for passage and sleeping-car bertha sold by CHAS. THOMPSON, Ticket Algent, Union Office, corner of Third and Jackson Streets, and corner of Jackson Street and Levee, St. Paul, Minn.

D. C. SHEPARD,

S. S. MERRILL, . A. V. CARPENTER, Coneral Manager.

General Passenger Agent

St. Paul

waukee, as follows:

ISION. IVE. DEPART.

А. М.

9;00 P. M.

IVE, DEPART.
P. M. 1:30 P. M.
A. M. 9:10 P. M.
ssippi River.

River. Dur.A

WEST.
Minneapolis

H WAY, AND MILWAUKEE,

nd all Eastern Points.

ing seats in clean Coaches

t. Paul, as follows: ives 7:25 r. m., departs 7:50 a. m. ves 11:15 a. m., departs 8:50 r. m.

General Passenger Agent

WINONA & ST. PETER

RAILROAD.



THE MOST EXPEDITIOUS AND COMFORTABLE ROUTE TO

MILWAUKEE, CHICAGO

AND POINTS EAST AND SOUTH,
VIA MILWAUKEE AND ST. PAUL RAILWAY,

And Northwestern Union Packet Company's Boats.

Summer Arrangements.

GOING EAST.

Trains from MINNEAPOLIS and ST. 'PAUL make sure connections at Owatonna.

Connect at Winona with Packet Company's Boats for La Crosse.

From La Crosse, via Milwaukee and La

Crosso Railroad.

Meals and berths furnished on boats between Winona and La Crosse without extra charge. Fare as low as by other routes. Passengers taking the morning train from Minneapolis and St. Paul save (5) five hours' time by

THE WINONA & ST. PETER RAILROAD.

GOING WEST.

Passengers leaving WINONA by the 11:30 a.m. train make connections with Stage Company at St. Charles for Chatfield and Preston. At Owatouna with Milwanace and St. Paul Railway, for Faribault, Mendota, et. Paul, and Minneapolis.

At Waseca with stages for St. Peter and Mankato, and all points in the Minnesota Valley. Connects at Menduta with Minnesota Valley Railway for Belle Plaue, Shakopee, &c.

J. W. SPRAGUE,

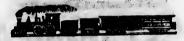
J. H. STEWART

Gen. Manager.

Grand.

THE FIRST DIVISION OF THE

St. Paul & Pacific Railroad.



BRANCH LINE.

. STATIONS,	A. M.	P. M.	STATIONS.	A. M.	P. M.
Leave Saint Paul	6.00	9.80	Leave Sauk Rapids	7.80	2.00
Junction (St. Anthony)		8.10	Saint Cloud	7.40	2.10
Manomin.		8.80	Clear Lake		2.55
Anoka		4.15		9.15	8,45
Itasca	10.20	4.50		9.55	4.25
Elk River	10.45	5.15	Itasea	10.20	4.50
Big Lake	11.95	0.55	a Anoka	11.00	5,80
Clear Lake	12.05	6.85	Manomin	11 85	6.05
St. Cloud (75 miles)		7.15			6.80
Arrive Sauk Hapids	1.00	7.80	Arrive Salut Paul (77 miles).	12.85	7.05

St. Paul, St. Anthony, and Minneapolis Trains. . .

ST, I	PAUL	12.80 p. m.	Leave MINNRAPOLIS	10.45 a. m.
Br. I	PAUL	6.00 p. m.	MINNRAPOLIA	8.45 p. m.

St. Paul, Minneapolis, Lake Minnetonka, Wayzata, Long Lake, Watertown, and Rockford.

Leave St. Paul for the Lake Minnetonka, (24 miles,)	12.80 p. m.
MINNEAPOLIS for the Lake	1.80 p. m.
Paturning will loave Tave MINNETONKA	8.00 p. m.

J. H. RANDALL,

F. R. DELANO,

General Ticket Agent, St. Paul.

Superintendent.

OF THE

Railroad.



INE.

18.	A. M.	P. M.
Rapida	7.80	2.00
loud	7.40	2.10
Lake	9.25	2.55
ke	9.15	8.45
lver	9.55	\ 4.25
	10.20	4.50
	11.00	5,80
nin	11 85	6.05
on (St. Anthony)	12.00	6.80
A Man B (77 miles)	10 95	7.05

neapolis Trains. . .

							8.10 a. m.
							10.45 a. m.

netonka, Wayzata, nd Rockford.

 12,80 p. m.
 8,00 p. m.

R. DELANO,

Superintendent.

NORTHWESTERN UNION



PACKET COMPANY.

REGULAR U. S. MAIL

ANI

Railroad Passenger Line.

ONE OF THE SPLENDID FAST-RUNNING

SIDE-WHEEL STEAMERS

Of this line will

Leave Dubuque at 8 o'clock Every Morning (Sundays included)

For SAINT PAVIL and STILLWATER, touching at all intermediate Landings, and making close connections with ALL RAIL ROUTES, touching the River North of Dubuque for

ALL POINTS EAST, NORTH AND WEST,

THEOUGH TICKETS for Passengers, and Through Bills of Lading for Freight given to all points on the

Chippewa, St. Croix, Minnesota & Mississippi Rivers.

A TRI-WEEKLY LINE

Will run between ST. PAUL and TAYLORS' FALLS, touching at all intermediate points. Leaves ST. PAUL every

MONDAY, TUESDAY & FRIDAY.

THE NORTHWESTERN UNION PACKET



St. Louis and Way Points,

LEAVING Dubuque EVERY

Monday, Wednesday, and Saturday Mornings,

AND LEAVING St. Louis EVERY

TUESDAY, THURSDAY, and SATURDAY Evenings. These boats will connect at St. Louis with the Regular Packets for

CINCINNATI, LOUISVILLE, PITTSBURGH, WHEELING,

And all Points on the Ohio River,

AND WITH THE MAGNIFICENT STEAMERS OF THE

and MISSISSIPPI STEAMSHIP ATLANTIC

For all points South to New ORLEANS.

Through Bills of Lading for Freight will be given to New Orleans and way points. THE BOATS OF THIS LINE HAVE BEEN THOROUGHLY

Overhauled, Repaired, and Repainted,

And are in splendid condition for business, comfort, speed, safety, and reliability.

These Boats are manned by careful and experienced officers, who will use every exertion for the comfort and convenience of passengers, and see that freight is handled carefully and with dispatch.

Thankful to a generous public for their liberal patronage during the past fifteen years, we hope to receive and deserve a continuance of the same.

WM. F. DAVIDSON, 2-seldant, St. Paul.
WM. R.HOIDES, Ser. and Tress., 3t. Paul.
P. S. DAVIDSON, Supt., La Crosse.

W. B. RISSELL & CO., Agents, St. Louis, B. K. JOHNSTON, Agent, 51 Paul.

N UNION



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RY URDAY Evenings.

Regular Packets for NNATI,

ITTSBURGH, Dhio River,

ERS OF THE

STEAMSHIP

LEANS. New Orleans and way points.

THOROUGHLY nd Repainted,

speed, safety, and reliability. s, who will use every exertion for ght is handled carefully and with

during the past fifteen years, we

LINGTON, Asst. Supt., Dubuque, ELL & CO., Agents, St. Louis, STON, Agent, St Paul.

PIONEER LINE FOR 1868.

1868. STAUNCH & ELEGANT STEAMER

THOMAS WII Master,

WILL LEAVE CLEVELAND, On the following days, at

8 O'CLOCK, P. M.

Rednesday, May 20.

Gednesday, June 8.

Gednesday, June 17.

Gednesday, June 18.

Gednesday, June 17.

Gednesday, July 10.

Gednesday, July 19.

Gednesday, July 29.

Calling at Port Huron and Sarnla on the next morning after leaving Detroit,

WILL LEAVE DETROIT, On the following days, at 10 O'CLOCK, P. M.

HANNA & CO., Agents, Cleveland, O. BUCKLEY & CO. Agents, Detroit, Mich. Or to J.T. WHITING, Manager, foot First Street, Detroit, Mich.

1868.

1868.

Capt. ALBERT STEWART.

For Superior City, and all other Lake Superior Ports.

LEAVES DETROIT. LEAVES CLEVELANL. Wedne'y Eye., May 13 | Wedne'y Eye., Aug. 6 | Thrad'y Eye., May 14 | Thrad'y Eye., Aug. 6 June 10 " July 8

The Keweenaw touches at Port Huron and Sarnia on the morning after leaving Detroit,

BRADY & CO., Detroit, HANNA & CO., Cleveland, AGENTS.

EBER WARD, Detroit, Cowner,





NORTHW E S

C. E. KIRTLAND, Commander,

Will leave BRADY & CO.'S dack, foot of Woodward Ava., Detroit, Every Tuesday, for Sairt St. Mania, Manquetra, Houditron, and Hancook, touching at Saraha and Port Huron, every TUESDAY EVENING at 10 o'clock.

For Freight or Passage apply to

BRADY & CO., foot of Woodward Avenue, Detroit

CHARLES H. BALDWIN, Passenger Agent.

1868. SEASON ARRANGEMENTS. Detroit, Saginaw, and Lake Huron Shore

STEAMBOAT LINE,
Will be composed during the Season of 1868 of the following well-known, first-class, new side wheel Steamors:

CITY OF SANDUSKY, Capt. Henry Fall, will leave Fridays;

CITX OF TOLEDO, Capt. Selah Dustin, will leave Wednesdays;

SUSAN WARD, - - Capt. Wm. Comer, will leave Tuesdays, Thursdays, and Saturdays,

For Sachnaw, Bay City, Erst Tawas, Tawas City, Port Austin, Huron City, Port Hope, Sand Beach, Rock Falls, Forestville, ,Forester, Port Sanilac, Lexington, Port Huron, and all other Lake Shore ports.

All these Bonts leave direk foot of Bates St. each day at 2 o'clock P. M. FREIGHTS RECEIVED AT ALL TIMES.

For all further information apply to CHAS. BEWICK, Agent, foot of Bates Street, Detroit. ERIOR



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1868. Huron Shore

ell-known, first-class, new side

pt. Henry Fall,

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Wm. Comer,

Saturdays,

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MORGAN & METCALF,

Real Estate Brokers,

191 THIRD STREET,

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Having made "REAL ESTATE" a specialty during a residence of fourteen years in Saint Paul, we offer our services to those wishing to make profitable investments in a rapidly growing City and State, as vell as to non-resident property owners who wish to

Make Quick Sales at Fair Prices.

We deal in Real Estate only on Commission, and attend also to PAYMENT OF TAXES, COLLECTION OF RENTS, LOANING and INVESTMENT Of MONEY, and all business pertaining to a first-clas

Real Estate Agency.

We offer for sale the largest list in the city of

Houses and Lots, Building Lots,

Suburban Property, Lake Residences,

Stores and Business Property,

Farms and Farming Lands,

"Broad Acres," Mill Sites,

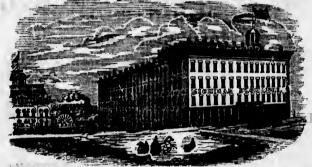
Water-Powers, &c., &c.,

And invite attention to our Catalogues, to be had on application, by mail or otherwise.

CHAS. A. MORGAN.

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MICHIGAN EXCHANGE DETROIT, MICHIGAN.



EDWARD LYON, FARNHAM LYON, Proprietors.

JEFFERSON AVENUE.

BAYFIELD HOTEL,

BAYFIELD, WIS.

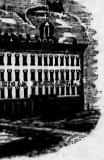
P. W. SMITH, : : : : PROPRIETOR.

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North-western Hotel,

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This House is delightfully situated near the shore of LAKE SUPERIOR, overlooking the Harbor of Marquette.

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SITUATED NEAR THE STEAMBOAT LANDING.

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THIS POPULAR AND WELL-KEPT HOUSE IS

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THIS HOUSE STANDS NEAR THE WATER'S EDGE

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The Magnificent Bay of Superior,

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MISSION HOUSE,

MACKINAC, MICH.,

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This old and favorite Hotel is most delightfully situated on the remantic Island or Mackinao, within a short distance of the water's edge, and contiguous to the Arched Rock, Sugar Loaf, and other Natural Curiosities in which this famed Island abounds; being alike celebrated for its pure air, romantic scenery, and fishing grounds.

MACKINAC, July, 1867.

CHIPPEWA HOUSE,

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This favorite Hotel is pleasantly situated, near the Steamboat Landings, at the mouth of the Ship Canal, and in the immediate vicinity of Fort Brady.

No section of country exceeds the Saur and its vicinity for

Fishing, Hunting, or Aquatic Sports.

The table of the Hotel is daily supplied with delightful White Fish, and other varieties of the season, no pains being spared to make this house a comfortable home for the pleasure-traveler or man of business.

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This spleudid Hotel, which is situated in the most beautiful part of the City of Montreal, near the Banks and Post-Office, is furnished throughout in the best style, of the New York and Boston Hotels, and comprises a

DINING SALOON AND CONCERT ROOM,

unequaled by any Hotel in Canada.

The TABLE will receive special attention, with the view of rendering it equal, if not superior, to any in America.

HOT AND COLD BATHS

can be had at all hours; and an Omnibus will always be in attendance on the arrival or departure of Railway Cars and Steamboats.

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This well-managed and most comfortable Horge, kept by Messrs. Russell, of Quebec, has recently been newly painted and re-furnished throughout. The Ballroom, used in summer, when the house is full of strangers, as a dining-room, has been entirely re-decorated in the handsomest style. The room will comfortably dine 250 persons at a time. - Thronto Globe.

E HALL,

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CERT ROOM,

, with the view of rendering it

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always be in attendance on the

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W M.)

OTEL, kept by Messrs. Russell, of furnished throughout. The Ball. of strangers, as a dining-room, has tyle. The room will comfortably

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