### Old Sea Clock.

Curious Devices To Tell Time In The Sea Days.

plicity, and both passengers and orew acquire eventhe vaguest idea of longitude and time had recoursed to carious devices.

Crude as these devices appear com. pared with present-day instruments, they saved the mariner from chaos and destruction, and even if he could not name the hour with any degree royal navy of certanity he at least knew the day of the week. Which must have been no small comfort when on the little trace of Harrison's model is to

Eclipses of the moon and the positions of the stars afforded a little ed the credit of pointing out the guide to the skipper, who was never- asy. theless greatly handicapped by his lack of astronomical knowledge and the inferior quality of his apyglass. Moreover, eclipses could not be arranged for every dark night when the stars could not be seen, so various devices had to be pressed into service.

The most popular form of old sea clock wasthe sar dglass, which greatly resembled the present-day egg boiler. Many of these glasses were timed to run 24 hours, and prior the ship leaving land the glass was set exactly a poon. If it was carefully watched and forned as soon as the sand ran down the skipper could reckon the days with fair accuracy.

S de by side with the large glass fully watched this old sea clock and of any incident by so many glasses.

rants were util sed and towards mid- extent that have now became one of day the captain appears on deck to Germany's most important national perform his solemn duty. After assets, much screwing of eyes and waggling of the quadrant the captain would bawl out to the mate in omniscient varying according to personal idois-

aroused when the English govern, degree, or 60 miles; £15,000 if with- cities of Europe. in 40 miles and £20,000 if within 30 It is fitting therefore that the

shire carpenter, who had achieved a were commented at Essen Works within I degree, 30 minu es.

granted a sum of £500 to enable him carrying out the work of their deto proceed with his invention. After parted chiefs. 30 veras hard toil he produced a chronometer, on which the present ing artillery is over ten miles in marine phronometer is based, His length, invention was shaped like a large embarked for Jamacia in order to carry out testa. On the voyage out it was discovered that the chronometer was only 51 seconds in error, and during the whole trip from Portsmouth to Jamacia and back the

thus enabled the longitude to be remainder when the government was convinced that these timekeepers cation we receive. could be made by others. Despite the I pever heard a crowd of girls bubfalfilment of those conditions Harri- bling over with laughter, nor meet son had to wait several years befor the money was paid over.

Larcam Kendal, who had bee Harrison's apprentice, followed of the lines laid down by his maste and produced a chronometer which was used by Captain Cook during h daring voyage in the Resolution.

Of this chronometer Cook wrote Our longitude can never be erron ous while we have so good a gnide as Mr. Kendal's wa ob,' It was not uptil some 20 years after Tratalgar that the admiralty considered it a duty of

Aching Joints In the fingers, toes, arms, and other parts of the body, are office that inflamed and swollen by rheumatism that acid condition of the blood which affects the muscles also.

Sufferers dread to move, especially after sitting or lying long, and the condition is commonly werse in we

"I had an attack of the grip which left me weak and helpless and suffering from their matism. I began taking Hood's Saranna rilla and this medicine has entirely cured me. I have no hesitation in saying it saved my Hfa." M. J. McDonald, Frenton, Ont Hood's Sarsaparilla Removes the cause of rheumatism—no sutward application can. Take it.

supply chronometers to ships of the

Various horologists have introduced so many improvements that be discerned in the modern chronometer, though to him must be assign-

### The Krupp Works

CENTENARY CELEBRATION.

In the current issue of ' Engineer-

g' there is given a description of

the Krupp Works at Essen. In the garet E. Sangster. commencement, the historical portion of the description, we find it stated that in November, 1811, Friedrich Krupp, a merchant and a prominent citizen of the township of Essen, decided to starttbere the manufacture of crucible cast steel and cast-steel goods to compete with the English were placed half bour and minute products of this class, With the aid glasses. The man at the helem care- of two men, he started experiments in a small way, in a shed he rented. asnounced the time at regular in- With a view to regular manufacture tervals by striking a bell. It was he not down in the course of the customary to estimate the duration following year, 1812, on a small property he owned in Altenessen, in To fog the glass' was an operation the north of the township, a small very congenial to lazy seamen. It factory, consisting of a crucible-steel consisted in turning the glass be foundry and a forge containing a fore all the sand had run down, so tilt hammer. To drive the latter he that the watch was appreciably short- had at his dispo al a portion of the water-power derived from a small When the 24 hour glass was em- stream running down from two ployed a little juggling was indulged ponds close by-a tributary to the in for the purpose of finding the Emscher. Friedrich Krupp's eldest longitude. The difference between son, Alfred was born a few weeks the 24-bour glass and the time by after the experiments referred to the sun was estimated, and this dif- had started-on Aprile 26, 1812. ference was held to represent the The present year therefore marks the sun's time might be before or vast Krupp establishments, also the after the time returned by the glass. | hundredth anniversary of the birth 'Taking the sun,' was a weird and of Alfred Krapp, under whose guid-

A PHENOMENAL RISE.

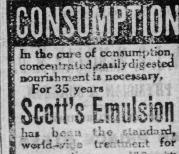
Essen a century ago numbered tone. 'Make it-bells,' the number hardly 4000 inhabitants ; it was a small country town, having a long established but fast declining small A demand for a more satisfactory arms industry. At the present time, device for estimating time at sea was lowing to the genius of one man, responsible for experiments being Alfred Krupp, and his unremitting made with pendulum clocks of very bard work, aided, it is true, by the rude design, though with little suc- foresight of his father and the moral ceas. The interest of inventors was support he received from a brave for Prince Edward Island. The Pronother and self-sacrificing brother ment in 1714 offered the sum of £10 and sister, it is a city of 300,000 000 to anyone inventing a method inhabitants. Much more, it has any in Canada. The cost of living of reckoning longtitude to within a become one of the most important there is also less than elsewhere in

anniversary should be duly kept, and John Harrison, an obscure York- on the 8th inst. a series of festivities ceremonies were to be graced by

The Kropp private range for test.

# watch, and in 1761 Harrison's son Cheer For The Common

We need gayety and high spirits A quarelsome disposition, if shown variation was only 1 minute 54 5 by children, ought greatly to be checked before it has time to grow into real strength. The woman is a determined within 18 miles, a result self and looking injured, or worse which exceeded the admiralty's most still, becoming tearful when opposed, sangaine expectations. After further is the dread of those who love her. demonstrations an act of parliament More and more I am convinced that was passed in 1765 awarding Harri- cheerfulness, good number and fun are son \$20,000 balf of the money, to be as necessary to the conservation of paid as soon as he explained how his health and the keeping of mental timekeeper was constructed and the powers at a high standard of usefuls



three or four leds in a heyday of the boon it would be to the older folks if only they did not so soon lose the capacity for mirth. Moping melanholy, and misunderstanding are ap to be intertwined. Two friends were having a telephone talk one day, both being active, obserful and contents vomen growing old.

' Are we on the sunset or the sun ise road?' queried one who had no utlived her youthful habit of good heer. 'On the sun rise road said the ther, ' for. though the sun goe down in the west before we go to bed, is always bravely coming up in the

The robbins and blue jays have beir quarrels in the mating season, and they are busy, and merry, and for success as they build their nests. We ought to take a lesson from ou little brothers of the air, if there must now and then be a passing breeze of contention in order to clear the air for peaceable work, let us get t over soon, let us sing as we build our castles in Spain. Mother and father, bewaring of this agreement when the children are present, should frown upon disagreement at the table or elsewhere in the life of the home. Dou't let us encourage anyone to be blue, or suffer in ourselves the faintest avmntom of carry ing a chip on the shoulder .- Mar-

## Your Job.

Uncle Jack prints the following helpful hints for the benefit of those of his Future Men and Women who are this year tackling their first job, and getting their first experience in store or office or factory,

The employer does not want to beg people to do things for him, and the boy who wants to get on ought to regard every opportunity to render a little additional service as a great advantage to him, a chance to get a little deeper into the confidence of his employer, to get a little nearer

Anticipate your employer's wants. Think for him, plan for him when you can. He will appreciate it, and will gradually learn to depend upon you. In this way you make yourself indispensable to him.

Try to keep little annoyances him, nettle him. Try to keep people away from him whom you know he does not want to see. If he finds that wounderful operation. Clamsy quad- ance they have developed to such an you are trying to protect him and to make his work easier and pleasanter you may be sure you will not lose

It is not what you are paid for doing that he will appreciate half as much as that which you voluntarily and gladly do. This is a test of your quality. The spirit with which you do what you are not obliged to is the measure of your desirability in your employer's estimation.

vertisement of the Publicity Agent vince is the smallest, the most fertile and the most thickly populated of he Dominion. It is nearer the United Kingdom than any other part of offers excellent attractions to settlers who desire to engage in farming, local reputation by repairing and and in the town to pay honors to the fruit-growing, stock raising, or the loan of \$5,000 and he treated me very cleaning clocks, came forward with memory of the founder and promos fishing industry. There are in the courteously. tor of the vast establishments, the little Province about 200 lobstercanning factories, and numerous co. asked. fluence of Dr. Halley be was enabled the presence of the German Emperor, operative cheese factories and creamto make a voyage n a government surrounded by a large number of eries. In no part of the Dominion vessel to Lisbon, where he succeeded chiefs of States and other authorities can improved farms be purchased at in determining the longtitude to by the various members of the Krupp so good value for the prices asked. family, and by the staff of the estab- The Island has an excellent climate For this achievement he was lishments who are now so pobly and many people there live to a great writes :- "My mother had a badly age. Last year more than half those years of age. Toe Island is renowned for its beauty and fertility and has the lowest rate of taxation n North America. It is less known here than other parts of Canada, from the fact of its not being advertised Phose intending to take up new homes beyond the ses would do well o inquire further about the Island Province of the Dominion. - From the Bridgewater, (England) Mercury,

82 PRINCE WILLIAM STREET ST.

Јони, N. B. With the intention of producing the best newspaper in Eastern Canada. The Standard is installing a new Hoe Observer Press, capable of printing in four colors; a complete Stereotyping and Casting Equipment of most modern design; an additional No. 8 Linotype Machine; a Photo Engraving Plant, and numerous less important adjuncts to an up o-date printing office.

The Standard building is being constructed with a view to creating most compact and convenient rangement of offices possible in the rinting business.

With the completion of these works. The Standard will be in a position to more satisfactorily take are of the very rapidly increasing patronage with which it is being favored, and will be able to meet all those demands resulting from the wonderful forward movement now sweeping over New Brunswick.

DIARRHŒA

and VOMITING rhœa, Dysentery, Colic, Cramps, or Pain mer Complaint, or any Looseness of t east when we wake up in the morn- Bowels, do not waste any time, b Fowler's Extract of Wild Strawberry, an it will cure you in no time. Mrs. H. I Steadman, Pleasant River, N.S., write 'A year ago this fall, my little boy we suddenly taken ill with diarrhoes and distant, it seemed as if I could not get and after the first dose could notice and improvement, and the next day the child was better and regained health. Since that time I always keep it on hand. Insist on being given "Dr. Fowler's" when you ask for it. Price 85 cents. Manufactured only by The T. Milburg Co., Limited, Toronto, Ont.

Advertising in The Standard has increased 340 per cent, in three How To Make The Most Of years, while in the same period ubscriptions have more than trebled. THE STANDARD LTD. H. V. Mackinnon, Manager.

### Beware Of Worms.

Don't let worms gnaw at the vitals of your children. Give them Dr. Low's Pleasant Worm Syrup and they'll soon e rid of these parasites. Price 25c.

'Sime never made a big hit; he ust ploughed his way along. 'What a barrowing life.'

A Sensible Merchant. Bear Island, Aug. 26, 1908. MINARD'S LINIMENT Co., Limited. DEAR SIR, -Your traveller is here to-day and we are getting a large quantity of your MINARD'S LINI-

MENT. We find it the best Liniment on the market making no exception. We have been in business 13 years and have handled all kinds, but have sells itself; the others have to be pushed to get rid of. W. A. HAGERNAN.

Minard's Liniment cures Veuralgia.

She-If fashion makes our dresses any skimpier I really don't know what we women will do. He-I do, you'll wear the dresses.

W. H. Wilkinson, Stratford, Ont, says:-" It affords me much pleasure to say that I experienced great relief from Muscular Rheumatism by using two boxes of Milburn's Rheumatic Pills. Price a box 50c.

At a meeting of business men a liscussion was started regarding a banker who has the reputation for hard bargaining, close fistedness and Canada excepting Nova Scotia, and invariably getting his pound of flesh. 'Oh, well,' said one man, 'he isn't

so bad. I went to see him to get a Did he lend you the money? was

No,' was the reply, ' he didn't But he heeitated a minute or two before he refused.

Mary Ovington, Jasper, Ont. sprained arm. Nothing we used who died in the Province were above did her any good. Then father sixty years of age, and more than got Hagyard's Yellow Oil and it four-fifths of these are seventy cured mother's arm in a few days. Price 25 cents."

> Mrs. Muggins-My busband is the most unreasonable man. Mrs. Baggins-What has be done

Mrs, Muggins-Well, I've been at him for six months to buy some new furniture for the drawing room, and what do you think? He told me last night he had just paid thousands of dollars for an old seat on the Stock Exchange.

# GAVE UP ALL HOPES

OF EVER GETTING WELL Mr. Jacob B. Herr, 111 Grange St., Stratford, Ont., writes:—"Ten years ago I suffered with a very peculiar disease. I would go to bed feeling as well as could be, and after sleeping for five hours I would wake with a severe pain in my back, then moving into my side and hreast. The pain was so terrible I pack, then thoving into any size and pack. The pain was so terrible I could not lie in my bed, and usually had to sit until morning with a pillow propped up behind my back. With all my pain to about 10 o'clock the pain would leave me entirely. The same thing would hap-pen the next night, and every night for two years. I tried four different doctors, but none of them did me any good. I but none of them did me any good. I tried a great many patent medicines, but all of no avail. I gave up all hopes of ever getting well. A friend persuaded me to try Milburn's Heart and Nerve Pills. I bought four boxes, and after using the first one I felt a change for the better, and after using three boxes I could aleep all night. The pains were gone, and I was completely cured.

Milburn's Heart and Nerve Pills are 50 cents per box, or 3 boxes for \$1.25, at all dealers, or mailed direct on receipt of price by The T. Milburn Co., Limited, Toronto, Ont.

# Prince Edward Island Railway. Spring & Summer Weather

Commencing on June. 3rd, 1912, trains on this Railway will run as follows:

MESS,	Read I	Down					Read I		Jp
Diy ex Sun A.M	Dly ex Sun P.M	Dly ex Sun A.M	Dly ex Sun A.M		STATIONS	A.M	Dly ex Sun A.M	Dly ex Sun P.M	Dly ex Sun P.M
11 05	4 00		7 45	lv	Charlottetown ar	9 55	11 40		9 50
12 20	5 04		8 38		Hunter River	8 38	10 38		8 55
1 04	5 41		9 06		Emerald	7 45	10 04	5 25	8 26
1 42	6 11		9 30		Kensing'on		9 33	4 47	8 00
2 15	6 40		9 50	18	Summerside ly		9 00	4 15	7 42
p.m	7 50		12 00	lv	Summerside ar		8 45	p,m	4 55
<b>建筑</b>	8 48		1 23		Port Hill		7 46	The State of	3 26
	9 37		2 40		O'Leary		6 57		2 10
	10 50		4 35	ar	Tignish le	571455	5 45		12 15
	p.m		p.m	12.3	The state of the s		a.m		p m

8 30 9 20 P M	Lv Emerald June Ar Cape Traverse	Ar 7 40 Lv 6 50 A. M
A M P. M	TO STATE OF STATE	A.M P.M
6 45 3 20	Lv Charlottetown	Ar 8 15 5 20
8 15 4 30	M: Stewart	7 15 3 45
9 20 5 17	St. Peters	6 29 2 32
10 50 6 20	Ar Souris	5 30 1 10
A.M. P.M	STATE OF THE STATE OF	A.M P.M
P.M A.M		AMPM
4 30 8 15	Ly Mount Stewart	Ar 7 05 2 35
5 19 9 25	Oardigan	6 16 2 28
5 40 9 54	Montagne	5 54 2 00
6 15 10 35	Ar Georgetown	Lv 5 20 1 15
Dly Sat	10 100 100 100	Sat Dly
ex only	<b>经验证证明</b>	only ex
G		

Ly Charlottetown

Vernon River Ar Murray Harbor

Largest Assortment.

Lowest Prices.

WHOLESALE and RETAIL

>\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**BIG DISCOUNTS TO CLEAR** 

We should have many

weeks of Hammock

Weather yet, and to

clear out the balance of

our splendid stock of

We will give a discount

of 25 p.c. off our already

low prices. It will pay

you to buy a Hammock

now and put it away

for next year. Only 36

left and prices range

from \$1 to \$6.50 each;

all new stock. Ham-

mocks will be higher

next year, but we are

not going to carry any

CARTER & CO., Ltd.

over.

P.M P.M

3 10 3 10 4 57 4 25

H. McEWEN, Supt. P. E. I. Railway.

A.M A.M

Ar 9 25 9 35

8 11 7 56 Lv 6 40 6 00

Spring and Summer weather calls for prompt attention

Repairing Cleaning and Making of Clothing.

We beg to remind our numerous patrons that we have REMOVED from 23 Prince Street to our new stand

### 122 DORCHESTER STREET.

Next door to Dr. Conroy's Office, where we shall be pleased to see all our friends.

All Orders Receive Strict Attention. Our work is reliable, and our prices please our customers.

H. McMILLAN

### Direct Route to Boston

Commencing 7th May and following Tuesdays, steamer Sun Fire offices of London. will leave for

### Hawkesbury, Halifax and Boston.

Returning leave Boston every Saturday at noon. For further information. apply to

T. NICOLL, Agent, Ch'town. June 26, 1912-tf

Mathiesen, K. C., R. A MacDenal Jas. D. Stewart.

Mathieson, MacDonald

& Stewart. Newson's Block, Charlottetown

Barristers, Solicitors, etc. McDonald Bros. Building, Georgeown

### JAMES H. REDDIN Barrister, etc.,

Has Removed his Office from the City Hotel Building, Great George Street, to rooms over Grant's Implement Warehouse, Corner of Queen and Sydney Streets.

Collections attended to. Money to loan.

Ch'town, Feb. 22, 1911-6m

# KING EDWARD HOTEL

Mrs. Larter, Proprietress 148 PRINCE STREET

### Will now be conducted on KENTSTREET

Near Corner of Queen. Look out for the old sign King Edward Hotel, known everywhere for first class accommodation at reasonable

June 12 1907.

We can supply from this date

Fresh Burned Lime

suitable for farming and build ing purposes.

Orders left at Kilns on St. Peter's Road, or at our office, will receive prompt attention.

C. Lyons & Co. May 29, 1912.

D. C. McLEOD, K. C. | W B. BENTLE

### McLEOD & BENTLEY Barristers, Attorneys and

MONEY TO LUAN Offices-Bank of Nova Scotia Chambers.

## FIRE **NSURANCE.**

Royal Insurance Company of Liverpool, G. B.

### ance Co, of New York. Combined Assets \$100,000,000

Fidelity Phenix Fire Insur-

Lowest rates and prompt settlement of Losses.

## JOHN MACRACHERN

AGENT. Telephone No. 362, Mar. 22nd, 1906

Fraser & McQuaid, Barristers & Attorneys-at-Law, Soucitors, Notaries

Public, etc., Souris, P. E. Island.

### Montague Dental Parlors

We guarantee all our plate to give perfect satisfaction or noney refunded.

Teeth pulled and extracted absolutely painless, A. J. FRASER, D. D. Aug. 15 1906—3m

W. J. P. McMILLAN, M. D.

### PHYSICIAN & SURGEON OFFICE AND RESIDENCE.

CHARLOTTETOWN.

# June 15, 1910-tf

Daily expected per schooners " B. Bowers" and "Free dom," one thousand tons bet quality Hard Coalfin Egg, Stove and Chestnut sizes.

# C. Lyons & Co.

July 26, 1911—tf

### in large and small quantities JOB WORK Executed with Neatness and

Despatch at the HERALD

Charlottetown P. E. Island

Tickets

Dodgers Posters

Check Books

Receipt Books

Note Books of Hand

Letter Heads