

Old Sea Clock.

Curious Devices To Tell Time In The Old Sea Ways.

To ascertain the time when at sea is now a matter of the utmost simplicity, and both passengers and crew can learn the hour of the day at a glance.

Crude as these devices appear compared with present-day instruments, they saved the mariner from error and destruction, and even if he could not name the hour with any degree of certainty he at least knew the day of the week.

Ellipses of the moon and the positions of the stars afforded a little guide to the skipper, who was nevertheless greatly handicapped by his lack of astronomical knowledge and the inferior quality of his appliances.

The most popular form of old sea clock was the sandglass, which generally resembled the present-day egg boiler.

Many of these glasses were timed to run 24 hours, and prior to the hour leaving land the glass was set exactly at noon.

It was carefully watched and turned as soon as the sand ran down the skipper could reckon the days with fair accuracy.

Side by side with the large glass were placed half hour and minute glasses. The man at the helm carefully watched this old sea clock and announced the time at regular intervals by striking a bell.

It was customary to estimate the duration of any incident by so many glasses. 'To fog the glass' was an operation very congenial to lazy seamen.

Consisted in turning the glass before all the sand had run down, so that the watch was appreciably shortened.

When the 24 hour glass was employed a little juggling was indulged in for the purpose of finding the longitude.

The difference between the 24-hour glass and the time by the sun was estimated, and this difference was held to represent the longitude east or west, according as the sun's time might be before or after the time returned by the glass.

'Taking the sun,' was a weird and wonderful operation. Clemy quadrants were tilted and towards midday the captain appears of deck to perform his solemn duty.

After much screwing of eyes and wagging of the quadrant the captain would bawl out to the mate in omniscient tone. 'Make it—bells,' the number varying according to personal idiosyncrasies.

A demand for a more satisfactory device for estimating time at sea was responsible for experiments being made with pendulum clocks of very odd design, though with little success.

The interest of inventors was aroused when the English government in 1714 offered the sum of £10,000 to anyone inventing a method of reckoning longitude within a degree, or 60 miles; £15,000 if within 40 miles and £20,000 if within 30 miles.

John Harrison, an obscure Yorkshire carpenter, who had achieved a local reputation by repairing and cleaning clocks, came forward with a chronometer which attracted attention.

Aching Joints

In the fingers, toes, arms, and other parts of the body, are joints that are inflamed and swollen by rheumatism.

Sufferers dread to move, especially after sitting or lying long, and the condition is commonly worse in wet weather.

'I suffered dreadfully from rheumatism, but have been completely cured by Hood's Sarsaparilla, for which I am deeply grateful.'

'I had an attack of the erysipelas which left me weak and helpless and suffering from rheumatism. I began taking Hood's Sarsaparilla and this medicine has entirely cured me.'

Hood's Sarsaparilla Removes the cause of rheumatism—no outward application can. Take it.

supply chronometers to ships of the royal navy.

Various horologists have introduced so many improvements that little trace of Harrison's model is to be discerned in the modern chronometer, though to him must be assigned the credit of pointing out the way.

The Krupp Works

ANNIVERSARY CELEBRATION.

In the current issue of 'Engineering' there is given a description of the Krupp Works at Essen.

In the 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 start there the manufacture of cradible cast steel and cast-steel goods to compete with the English products of this class.

With the aid of two men, he started experiments in a small way, in a shed he rented. With a view to regular manufacture he put down in the course of the following year, 1812, on a small property he owned in Altenessen, in the north of the township, a small factory, consisting of a cradible-steel foundry and a forge containing a tilt hammer.

To drive the latter he had at his disposal a portion of the water-power derived from a small stream running down from two ponds close by—a tributary to the Emscher. Friedrich Krupp's eldest son, Alfred, was born a few weeks after the experiments referred to had started—on April 26, 1812.

The present year therefore marks the hundredth anniversary of the start of the Krupp establishments, also the hundredth anniversary of the birth of Alfred Krupp, under whose guidance they have developed to such an extent that have now become one of Germany's most important national assets.

A PHENOMENAL RISE.

Essen a century ago numbered hardly 4000 inhabitants; it was a small country town, having a long established but not flourishing small arms industry.

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It is fitting therefore that the anniversary should be duly kept, and on the 8th inst. a series of festivities were commenced at Essen Works and in the town to pay honors to the memory of the founder and promoter of the vast establishments, the ceremonies were to be greeted by the presence of the German Emperor, surrounded by a large number of chiefs of States and other authorities by the various members of the Krupp family, and by the staff of the establishments who are now so nobly carrying out the work of their departed chief.

The Krupp private range for testing artillery is over ten miles in length.

Cheer For The Common Days.

We need gayety and high spirits on the march of our common days. A quarrelsome disposition, if shown by children, ought greatly to be checked before it has time to grow into real strength.

LITTLE BOY WAS SUDDENLY TAKEN WITH DIARRHOEA and VOMITING

If you are suddenly taken with Diarrhoea, Dysentery, Colic, Cramps, or Pains in the Stomach, Cholera Morbus, Summer Complaint, or any Looseness of the Bowels, do not waste any time, but immediately procure a bottle of Dr. Fowler's Extract of Wild Strawberry, and it will cure you in no time.

The robins and blue jays have their 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 our 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 it over soon, let us sing as we build our castles in Spain.

Advertising in The Standard has increased 340 per cent. in three years, while in the same period subscriptions have more than tripled.

How To Make The Most Of 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 him.

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.

Try to keep little annoyances away from him, the things which fret him, nettles him. Try to keep people away from him whom you know he does not want to see.

Minard's Liniment cures Neuralgia.

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 discussion was started regarding a banker who has the reputation for hard bargaining, close fistness 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 loan of \$5,000 and he treated me very courteously.'

'Did he lend you the money?' was asked.

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

Mary Ovington, Jasper, Ont., writes:—"My mother had a badly sprained arm. Nothing we used did her any good. Then father got Hagyard's Yellow Oil and it cured mother's arm in a few days. Price 25 cents."

Mrs. Muggins—My husband is the most unreasonable man.

Mrs. Buggins—What has he done now?

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 E. Herr, 111 Orange 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 about 10 o'clock the pain would leave me entirely. The same thing would happen the next night and every night for two years. I tried four different doctors, 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 sleep 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.

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

Table with columns: Read Down (Dly, ex, Sun), Read Up (Dly, ex, Sun), STATIONS, A.M., P.M.

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Spring & Summer Weather

Spring and Summer weather calls for prompt attention to the

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

PLANT LINE. FIRE INSURANCE. Royal Insurance Company of Liverpool, G. B.

Commencing 7th May and following Tuesdays, steamer will leave for Hawkebury, Halifax and Boston.

Returning leave Boston every Saturday at noon. For further information, apply to T. NICOLL, Agent, Ch'town.

June 26, 1912—1st J. A. Mathieson, K. C., R. A. Macdonald, Jas. D. Stewart.

Mathieson, MacDonald & Stewart, Barristers, Solicitors, etc. McDonald Bros. Building, Georgetown.

HARDWARE!

Largest Assortment, Lowest Prices. WHOLESALE and RETAIL

Fennel and Chandler

Hammock Sale! BIG DISCOUNTS TO CLEAR

We should have many weeks of Hammock Weather yet, and to clear out the balance of our splendid stock of HAMMOCKS

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. Hammocks will be higher next year, but we are not going to carry any over.

CARTER & CO., Ltd.

Mathieson, MacDonald & Stewart, Barristers, Solicitors, etc. McDonald Bros. Building, Georgetown.

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.

W. J. P. McMILLAN, M. D., PHYSICIAN & SURGEON. OFFICE AND RESIDENCE, 148 PRINCE STREET CHARLOTTETOWN.

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

C. Lyons & Co. July 26, 1911—1st

JOB WORK! Executed with Neatness and Despatch at the HERALD Office

Charlottetown P. E. Island Tickets, Dodgers, Posters, Check Books, Note Books of Hand, Receipt Books, Letter Heads

CONSUMPTION. In the cure of consumption, concentrated, easily digested nourishment is necessary. For 35 years Scott's Emulsion has been the standard world-wide treatment for consumption.