

Scientific.

The first result of Agassiz's expedition in the Hassler is the discovery of a curious fish, that builds a nest for its eggs of and in the drifting Gulf weed. This "fish-cradle," rocking upon the deep ocean, is carried along as an undying arbor, affording at the same time protection and afterward food for its living freight.

Roofs.—The business blocks of Chicago were covered, chiefly with paper coated with tar and gravel, a preparation commonly known as felt roofing. Even the "fireproof" Tribune building was covered with this material, which has been in general use throughout the United States for a number of years.

We have always been opposed to the use of this kind of roofing material and now insist upon it that architects and builders abandon it altogether. It may be well enough to use it upon isolated cheap dwellings, but let us have no more of it within the fire limits. Let no architect who values his reputation recommend it to his client.

A builder in Patterson, N. J., has received an unlimited order from Chicago for portable cottages, to be built and forwarded as fast as possible. The sizes ordered are 12x16 and 16x16 feet, in one room.

Another link has been added to the telegraphic girdle that one day will completely surround the globe. A cable has been successfully laid from Batavia, Java, to Port Darwin, Australia.

To cure sore throat.—Take the white of two eggs and beat them in with two spoons of white sugar, grate in a little nutmeg, and then add a pint of luke-warm water. Stir well and drink often.

JOSE BILLINGS says of a mule, that he is a larger bird than the goose or the turkey; he has two legs to stand on, and two to kick with; his wings are situated on the top of his head.

It is a little singular that the celebrated Warwick Castle in England and the Warwick House in Boston should both have been seriously damaged by fire the same day.

Among the furniture necessary in the church in Baltimore where the Episcopal Convention is in session are said to be 295 spittoons. What a comment.

A noisy piece of crockery.—The cup that cheers.

Truth is as impossible to be soiled by any outward touch as the sunbeam.

Agriculture.

ABOUT HORSES.

TAKE CARE OF THEIR LEGS. Few men who handle horses give proper attention to the feet and legs. Especially is this the case on farms. Much time is spent of a morning in rubbing, brushing and smoothing the hair on the sides and hips, but at no time are the feet examined and properly cared for.

BLANKET YOUR HORSE.—At this season of the year, when we have many cold, windy days, horses, when left standing in our streets for any length of time, should have some sort of covering thrown over them to keep them warm and comfortable and prevent them from becoming chilled.

A correspondent of the Canada Farmer writes relative to sore or galled shoulders on horses: Wash them well every night and morning with a strong solution of oak bark, made by boiling the bark in water; then rub them well with linseed oil.

RHEUMATISM IN COWS.—The symptoms of rheumatism are swelling of a joint or joints, as for instance the fetlock joint. The swelling is accompanied by lameness, and the disease has a tendency to shift from one leg to another, or to affect more parts of the body than that in which it first appeared.

A correspondent of the Williamette Farmer feeds his stock a tablespoonful of sulphur to each animal, with their salt, once in two weeks. When he has done so no vermin has troubled them and his cows have not been affected with garget nor his sheep with grub in the head.

The rain has spoiled the farmers' day. Shall sorrow put my books away? Thereby are two days lost; Nature shall mind her own affairs; I will attend my proper cares, In rain or sun or frost.

Work is the weapon of honor, and he who lacks the weapon will never triumph.

HALIFAX, N. S., JANUARY 24, 1872.

MESSENGER ALMANACK.

JANUARY, 1872.

Last Quarter, Jan. 3rd, 5h. 45m. afternoon. New Moon, " 10h. 10h. 44m. morning. First Quarter, " 17h. 7h. 48p. morning. Full Moon, " 25th, 1h. 0m. afternoon.

Table with columns: Day, SUN, MOON, High Tide. Rows 1-31 showing daily astronomical data.

THE TIDES.—The ebb of the Moon's Sauting gives the time of high water at Pictou, Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes later than at Halifax. At Annapolis, St. John, N. B., and Portland Maine, 3 hours and 25 minutes later, and at St. John's, Newfoundland 20 minutes earlier, than at Halifax.

FOR THE LENGTH OF THE DAY.—Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning.



"INTERCOLONIAL RAILWAY."

THE Commissioners appointed to construct the Intercolonial Railway, give notice that they are prepared to receive Tenders for the erection of Freight and Passenger Buildings at Little Falls, River Philip, Iron Mines, and Debert; also, Buildings for Flag Stations at Nappan Road, Minnie Road, Salt Springs, Grenville, Pardsy, Folly Lake, and Ishonish; also, for Tank Houses at Little Falls, Salt Springs, River Philip, Grenville, Folly Lake, Iron Mines, and Debert, on the Nova Scotia District of the Railway.

Plans, specifications, and forms of Tender may be seen on and after the 15th January, at the Office of the Chief Engineer, Ottawa, and at the Railway Office at Moncton and Halifax.

Tenders may be for the whole or any lesser number of these Buildings, and will be received at the Commissioners' Office, Ottawa, up to 12 o'clock, noon, of the 20th day of February next.

Tenders will also be received for the erection of New Freight and Passenger Buildings at Moncton and Truro, and a Engine House at Truro, and a Refreshment Building at Amherst.

Plans, specification, and form of Tender for which may be seen at the same offices on and after the 15th February next, and tenders will be received as above, up to 12 o'clock, noon, of the 20th day of March next.

Tenders will also be received for the construction of two Post Offices and Smoking Cars, for the Nova Scotia District of the Railway, to be delivered at Amherst or Truro; also, for one hundred Platform Cars, fifty to be delivered on the line of Railway at Campbellton, and fifty on the line of Railway at Miramichi.

Plans, specification, and form of Tender for these Cars, may be seen at the offices referred to, on and after the 15th day of January next, and Tenders will be received as above, up to 12 o'clock, noon, of the 20th day of February next.

A. WALSH, E. B. CHANDLER, C. J. BRYDGES, A. W. MCLELAN, Commissioners.

INTERCOLONIAL RAILWAY, Commissioners' Office, Ottawa, 20th Dec., 1871. Jan. 3, 4 ins.

Hats and Caps.

WE have now on hand a full Stock of all kinds, including the

NEWEST STYLES,

to which we invite the attention of our friends, both at

Wholesale and Retail.

Our prices are as low as any in the city. Silk Hats made to order by Conformateur Measure, without extra charge.

VERETT BROTHERS, 190 Granville St., May 3.

A. V. P. B.

ARCHIBALD'S VEGETABLE PAIN BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Killer now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung Diseases.

The Proprietor has removed to Truro, Colchester Co., N. S., is now extending his business, and will be prepared to furnish his numerous patrons with the above, as well as many other valuable remedies compounded by him. Sold by all the principal Dealers and Druggists in the Provinces. Oct. 21. 1 yr.

GATES' LIFE OF MAN BITTERS,

FROM THE Roots and Plants of Nova Scotia, formerly manufactured by Mrs. Gates, of Wilmot. Who was pronounced incurable of Liver Complaint and Dropsy by many skilful physicians, when procuring several receipts from eminent French physician, she was entirely cured; and after war is cured hundreds of cases for which at first there seemed to be no hope.

We offer these remedies to the public through the persuasion of those who at present consider that they are indebted to them for the preservation of their lives. Many certificates can be given for the following diseases: Dropsy, in its worst form; Liver Complaint, Jaundice, Swelling of the Limbs and Face, Asthma, of whatever kind; Dyspepsia Biliousness, Spitting of Blood, Bronchitis, Sick Headache, Diseases of the Blood, Female Diseases, Running Sores, Rheumatism, Erysipelas.

In cases of lung disease, the No. 1 Bitters must be taken with No. 1 Syrup, except in weak cases and young children, when No. 2 Syrup and No. 1 Bitters must be used. Those suffering from Lung diseases, should not fail to use in addition to the above, Gates' Vegetable Plaster applied between the shoulders and to the throat and chest with Nerve Ointment.

In Liver complaint and Dyspepsia, No. 2 Bitters must be taken with No. 1 Syrup. In bad cases of Dropsy, No. 2 and No. 3 Bitters must be taken with No. 1 Syrup.

For Gravel, No. 3 Bitters and No. 1 Syrup, together with Gates' Vegetable Plaster and Nerve Ointment applied to the back near the kidneys.

For pains and Rheumatism in any part of the body, No. 1 Syrup, and Gates' Nerve Ointment and Acedian Liniment mixed together applied to the painful parts.

For sore throat, rub the Liniment and Ointment (mixed together) into the parts affected, at the same time taking No. 1 Syrup to cleanse the stomach.

These medicines will be promptly forwarded by the manufacturers when orders are accompanied by the cash. Address GALEB GATES & CO., Middleton, Wilmot, Annapolis Co.

New Cornwall, Lunenburg Co., September 26, 1871.

MR. GATES.—Dear Sir,—This is to certify that in the year 1870 I was severely attacked with pleurisy fever. The Doctor was sent for, and bled me. When he came again the pain was no better, and he again bled me. I was bled three times, and became no better. Was going to be bled again, but my strength would not admit. My whole system was in a weak state. No medicine would act on my bowels. I had two doctors employed, but could not get cured. A severe cough set in, raised blood and matter profusely. Had no appetite, could not sleep and was rapidly wasting away. I feel thankful that I took the Bridgewater Farmer and saw your advertisement, as I had paid a large sum of money to the doctors, and received very little benefit from their medicines. My doctor advised me to try your medicines which I saw advertised, and I did so. I did not feel much better for the first few days while the medicine was working through my system, but my bowels were soon regulated, my cough left, and I could sleep well and felt well, for which change I feel thankful to God and grateful to you. I shall always be pleased to furnish further particulars to any one requiring your medicines, and you are at liberty to use this testimonial as you think proper. Yours respectfully, NICHOLAS SPIDLE.

PRICE. Bitters \$1 per quart; Syrup 50 cents per pint bottle; Liniment 30 cents per bottle and the ointment 30 cents per box.

Address GALEB GATES & CO., Farmington, Wilmot, Annapolis Co.

A large number of certificates similar to the above, have been received and will be published at times for the information of the afflicted and the people generally.

AGENTS.—George V. Rand, Wolfville. John Webb, Windsor. J. E. Newcomb, Hantsport. J. L. Cogswell, Kentville. Sheffield & Wickwire, Canning.

GENERAL AGENT, JOHN K BENT, 124 Granville Street, Halifax. Jan 10



NOTICE TO MARINERS.

Steam Fog Whistle, Digby Gut

NOTICE is hereby given that a Steam Fog Whistle has been erected at the entrance to Digby Gut, a few yards east of the present Light House.

In thick and foggy weather the Whistle will be sounded EIGHT SECONDS IN EACH MINUTE with an interval of fifty-two seconds between each blast.

This Whistle has been heard six miles against the wind and over fifteen miles with the wind in calm weather. The Whistle is now in operation.

H. W. JOHNSON, Agent Marine & Fisheries. HALIFAX, N. S., Dec. 29th, 1871. Jan. 3.

H. G. LAURILLIARD, TAILOR,

GENTLEMEN'S DRESS MATERIALS, AND Furnishing Goods constantly on hand.

Agent for the NEW YORK FASHION PLATES. 231 HOLLIS STREET, HALIFAX, N. S. MAY 17.

To Parents and Sabbath School Teachers.

JUST PUBLISHED.

SECOND EDITION—REVISED.

A SCRIPTURE CATECHISM, for the Family, the Bible Class, and the Sabbath School, BY S. SELDEN.

Price 8 cents or \$8.00 per 100.

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