

The Messenger Almanac.

January.
First Quarter, Jan. 4th, 11h. 9m. morning.
Full Moon, " 11th, 2h. 9m. "
Last Quarter, " 18th, 4h. 35m. "
New Moon, " 26th, 9h. 27m. "

Table with columns: Day, SUN., MOON., High Tide. Rows for days 1-31.

THE TIDES.—The column of the Moon's Southings 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.

BETCHER'S PECTORAL MIXTURE FOR COUGHS, COLDS, WHOOPING COUGH, ASTHMA, &c.

This article has been known to give immediate relief in Chronic Coughs when other Syrups have utterly failed, and for temporary coughs and colds it is invaluable, for which assertions abundant testimony can be produced.

CERTIFICATES. HALIFAX, March 10th, 1873. J. W. BETCHER, Esq.

DEAR SIR,—Having used a half dozen bottles of your valued Pectoral Mixture I find myself greatly relieved from a chronic cough, and pulmonary weakness which had been preying upon my system for ever a year, and would recommend it to all who are suffering from like complaints.

ST. JOHN, N. B., April 16th, 1874. This is to certify that I was attacked with a very severe cold combined with the Asthma very bad, so that I could not lie down or hardly breathe.

CONSUMPTION CURED. To the Editor of "Christian Messenger," ESTEEMED FRIEND:—Will you please inform your readers that I have a positive CURE FOR CONSUMPTION and all disorders of the Throat and Lungs, and that by its use in my practice, I have cured hundreds of cases, and will give \$1,000.00 for a case it will not benefit.

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AGRICULTURE.

COOKING FOOD FOR ANIMALS.—The Germantown Telegraph says:—"We are well aware that the feeding cooked food to animals, even horses, was at one time very much the fashion, and the steam boiler was to be found at every barn. It was regarded not only as healthful and preferred by the animals, but economical. But for some reason, which we have never heard explained fully, the practice is not now so common, many persons having discontinued it. For horses and cows, except milch cows and fattening bullocks, the method is approved by a great many experienced farmers; but for swine and poultry cooked food is no doubt excellent though it should be used in feeding swine moderately with their whole corn and cold water. We have heard that, considering the labor and expense of cooking, it was not economical; but we mention this as the statement of a Bucks county farmer, and suppose there is something in it."

Precisely the opposite is the case in Ontario. Near Toronto, to our knowledge, the use of steamers is greatly on the increase, and is found to pay handsomely. We are informed also that in other parts of Ontario the practice of cooking food is coming more in vogue.—Canadian Farmer.

EFFECTS OF ELECTRICITY ON VEGETATION.—Many years ago, I noticed in a paper that if a sheet of zinc were buried at one end of a hot bed, and a plate of copper at the other, and connected by a copper wire laid over the sable manure and under the earth, a current of electricity would be generated which would stimulate the plants in the hot bed to increased activity of growth. I tried it but without effect, so I never repeated the experiment.—Sarawak.

AN ACCIDENTAL DISCOVERY of great importance, if verified, has been made by a French veterinary surgeon, who, noting that the "foot-and-mouth disease" seemed invariably to spare cattle affected with cow-pox, has vaccinated a number of oxen as a preventive measure, with the result that "not one of the twenty-five beasts successfully inoculated has, up to this date shown any sign of foot-and-mouth disease, although living among animals largely infected with it."

WIND MILLS.—Why do not farmers erect windmills on their premises? They may often be used to great advantage in a variety of purposes such as pumping water, sawing logs, cutting chaff, slicing roots, bruising and grinding corn, etc. They eat nothing, and would save a deal of horse and manual labour, when rest would be very acceptable to both man and beast. There is true economy in this, and it would be worth not only thinking about but doing.

THERE ARE OVER TWO HUNDRED distinct species of grass, growing in the meadows and pastures of Great Britain, full half of which are claimed by botanists as indigenous in that Island.

HORSES.—Horses should be worked moderately at first. If the shoulders are inclined to chafe, bathe them with salt and water, wash off the salt, rub dry and apply crude petroleum. This is a healing application for galls and bruises. Wash the feet and legs when muddy, and wipe dry. Give some bran or oatmeal in their drink. Give cut feed at noon, and long hay at night. Clean them thoroughly at night. This is important to their proper rest.

FARMING OSTRICHES.—Montgomery Queen has purchased 100 African ostriches, and is about colonizing them on his place near Haywards, a small town fifteen miles from San Francisco. It is Mr. Queen's intention to raise ostriches solely for their plumage, each bird yielding over two hundred dollars' worth of feathers yearly. He has invested \$100,000 in the enterprise.

GRAPES FOR HOGS.—A Grass Valley farmer who has been feeding grapes to hogs, reports them gaining astonishingly on the feed. Chemical analysis of the grape shows it to be rich in nutritive elements, and with the large yield of grapes in this country their production for making pork may be found profitable.

Salmon skin makes a leather of about the thickness of dogskin and as tough as wash leather. The scale marks leave a neat pattern.

SCIENCE.

HUMAN SPITTLE, A SNAKE POISON.—A man in Georgia has observed that human spittle is as deadly to poisonous snakes as their bites are deadly to man. He says while picking up a bundle of straw and trash under his arm, while cleaning a field, a ground rattle-snake, four feet long, crawled out from it and fell to the ground at his feet.

He at once placed his heel upon the head of the snake and spit in its mouth. Shortly afterward the snake showed symptoms of inactivity and sickness and at the expiration of fifteen minutes was dead. To further experiment, he came across a blowing adder (snake), which ejected from its mouth a yellowish liquid. He caught it and spit in its mouth, and it died. He caught another blowing adder; and it refused to open its mouth. He spit upon a stick and rubbed the spittle upon the adders nose, and it died. Afterward he came across a black snake, regarded as not poisonous, and he caught it and spit in its mouth. Instead of the spittle killing the black snake, as it did the poisonous reptiles, it only made it stupidly sick, from which it recovered.

A NEW CEMENT.—A French chemist is said to have succeeded in preparing a mineral compound, said to be superior to hydraulic lime for uniting stone, and resisting the action of water; it becomes as hard as stone, is unchangeable by the air, and is proof against the action of acids. It is made by mixing together 19 pounds of sulphur and 42 pounds of pulverised stoneware and glass. This mixture is exposed to a gentle heat, which melts the sulphur, and then the mass is stirred until it becomes thoroughly homogeneous, when it is fit for use; operate as with asphalt. If needed, it may be remedied by applying a gentle heat. The whole mass melts at about 248° F. At 230° F. it becomes as hard as stone, and preserves its solidity on boiling water.

CARE OF THE EAR.—In his treatise on Physiology, Hinton gives us to understand that the passage of the ear does not require cleaning by us; nature undertakes that task, and in the healthy state fulfils it perfectly. Her means of cleansing the ear is wax, which dries up into thin scales and peels off and falls away imperceptibly. In health the passage of the ear is never dirty but an attempt to clean it will infallibly make it so. Washing the ear out with soap and water, is bad; it keeps the wax moist when it ought to become dry and scaly and makes it absorb dust. But the most hurtful thing is the introduction of the corner of a towel screwed up and twisted around. This proceeding irritates the passage and presses down the wax and flakes of skin upon the membrane of the tympanum, producing pain, inflammation, and deafness. The washing should only extend to the outer surface, as far as the fingers can reach.

A mortar celebrated for its durability is composed of well slacked lime mingled with finely sifted sand. To this is added one quarter as much fine unslacked lime as there has been used. While it is being mixed, the mass heats, and the mortar should then be used immediately. The substance is waterproof, and becomes excessively hard.

The grindstone is a self-sharpening tool; and after having been turned in one direction for some time (if a hard stone), the motion should be reversed. Sand of the right grit applied occasionally to a hard stone will improve it.

A New York paper notes, as a novelty, the application of the camera obscura to railroad cars, exhibiting to the traveller a moving picture of the country through which he is passing.

The large reflecting telescope at the Paris Observatory is completed. The equilibrium of the tube is perfect, and it can be directed with the utmost facility on any part of the heavens although it weighs about six tons.

It is positively asserted that boots made of alligator leather are perfectly waterproof under all circumstances. This is a hint for farmers, hunters, and all persons much exposed to the weather.

SHINGLE roofs can be made doubly durable by giving them a coat of thin oil before they get wet.

War leaves a country with three armies—an army of cripples, an army of mourners and an army of thieves.

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Because it will cure Rheumatism, Cramps, Headache, Neuralgia, Toothache, Sprains, Bruises, Chilblains, Corns, Stiffness of Joints, and pains of all kinds. It should always be kept in every house. It possesses the advantage over all other LINIMENTS of being purely VEGETABLE producing Ready Relief. Many and conclusive testimonials and certificates have been given to the proprietor, and hundreds more could be if requisite. The following are samples:

HALIFAX, FEB. 23RD, 1874. MR. B. HUBLEY,—Dear Sir,—I do not know of anything better for RHEUMATISM than your LINIMENT, ESROM BOUTILLIER.

MR. BENJAMIN HUBLEY,—Sir,—I shall feel obliged by you making known for the benefit of others my opinion of your RHEUMATISM LINIMENT. The use of it in the case of RHEUMATISM has satisfied me that it not only merits the character claimed for it in your advertisement, but also that the advertisement does not do adequate justice to a most valuable remedy.

JAMES B. REYNOLDS. MR. B. HUBLEY,—Sir,—I hereby most willingly and with much pleasure record my testimony in favour of your RHEUMATISM LINIMENT. It is the best LINIMENT for all kinds of PAINS and aches that I have used.

S. E. WATSON. Certificates from many well known respectable citizens are now in the proprietor's possession and may be inspected by those suffering with Rheumatism and other complaints.

MR. BENJAMIN HUBLEY also cures the most inveterate Dropsy and Erysipelas. A positive and permanent cure guaranteed.

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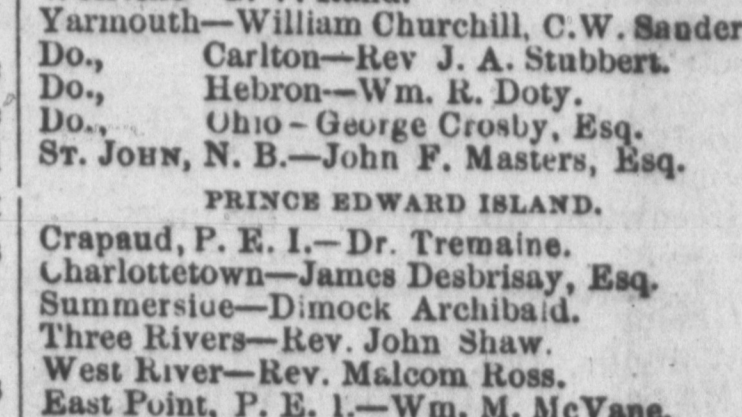
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