

Agriculture.

ABOUT HORSES.

The Ohio Farmer thinks it important to feed some straw every winter, as it seems to have a beneficial effect on most animals; it also thinks horses not at hard work do better on cut straw with a little grain.

The best mode of fastening a horse in a stall is the English one of attaching a light weight to the end of the halter, and allowing it to run up and down under the manger, which should always be boarded in front from the floor up. By this arrangement the horse enjoys sufficient liberty, and yet has no chance of getting cast by stepping over his halter.

President Clark of the Massachusetts Agricultural College, speaking of horse-stables, very justly remarks:—"A suitable stable is the first requisite in the care of a horse. It should be capacious, well ventilated, but warm, well lighted, and so situated as to be free from dampness. Stables are not unfrequently built over cellars or depressions in the soil, which receive the manure, and are often partially filled with water. The constant evaporation from this pond keeps the entire stable damp and chilly, and thus is in an excellent condition for causing founder, rheumatism, lung fever, colic, and other diseases in the poor exhausted creatures, whose nights must be passed here. Warmer, but not more salubrious, are stables over cellars, dark and close, which are fumed by the pungent dung. Such cellars ought always to be very thoroughly ventilated, not merely by an open door or space on one side, but by a constant and abundant circulation of air." But it would be far better that there be no cellars at all.

HEN MANURE, ASHES, PLASTER AND SALT.—A valuable fertilizer, and one in reach of every farmer, especially adapted to garden culture as well as for top dressing and field culture, is hen manure, ashes, plaster and salt, mixed in equal quantities, excepting the salt, of which one-fourth will be sufficient. Mix intimately, and apply either in hill at the surface, or broadcast. It gives good results upon all soils and crops. I kept usually about twenty-five hens; these roost at a certain place the year round. Beneath the roost is a light plank floor. The annual produce of droppings is six barrels of the pure thing. This, mixed with the same quantity of ashes and plaster, gives eighteen barrels; the salt brings it up to twenty barrels of choice fertilizing compost: equal to much of the superphosphate of commercial manure firms, and worth far more than the manure from two cows.

—Rural New Yorker.

WATER FOR COWS.—It is of the utmost importance that cows and all cattle be allowed abundance of pure fresh water. Out of 140 families supplied with milk from a dairy in Islington, England, 70 suffered from typhoid fever; 145 cases occurred within ten weeks, and 30 persons died. An investigation showed that the cows drank water from an old underground tank, built of wood and much decayed. The milk cans were washed in the same water, and in all probability the water was also mixed with the milk. As the fever attacked only such parties in that district as used the milk, the water in the rotten tank must have been the cause. This is only one more evidence of the danger of using foul water, and giving it to animals. It has been shown that stagnant water acts as a slow poison to animals, as well as to men, and it is a matter of the first importance to all dairymen and stock-raisers, as well as families, to use only pure, fresh water.

RYE BAD FOR MILCH COWS.—A writer in the Rural New Yorker says that he has grown rye for a number of years, and considers it a valuable spring and summer feed for all kinds of stock except milch cows. He considers it his duty to caution dairymen against its use, as he finds it imparts a very disagreeable odour to the milk and butter. This objection to rye is not new to us, and it has always been excepted from the green food of milch cows.

The Christian Register, commenting on the frequent abuse of D.D. and LL.D., says it would direct Mr Bergh's attention to the "cruelty of killing men by degrees."

Scientific.

GRIT.

When you see a little fellow-mortal Without fixed and fearless views, Hanging on the skirts of others, Walking in their cast-off shoes— Bowing low to wealth or favor, With uncovered abject head, Ready to retreat or waver, Willing to be drawn or led; Walk yourself with firmer bearing— Throw your moral shoulders back: Show your spine has nerve and marrow, Just the thing which he must lack.

THE WARM BATH.—The warm bath is a grand remedy, and will often prevent the most virulent of diseases. A person who may be in fear of having received infection of any kind, should speedily plunge into a warm bath, suffer perspiration to ensue, and then rub dry, dressing securely to guard against taking cold. If the system has imbibed any infectious matter, it will be certainly removed by this process, if it be resorted to before the infection has time to spread over the system; and even if some time has elapsed, the drenching perspiration that may be induced in a hot bath will be pretty sure to remove it.

M DEYERGIE, a French chemist, finds that water containing only one four thousandth of its weight of carbonic acid, sufficed for the disinfection of the Morgue in Paris during the hottest weather, when it contained six or seven bodies.

TEMPERANCE AND LONG LIFE.—Life insurance statistics prove that if 100,000 intemperate persons from 15 to 70 year of age be compared with an equal number of temperate, 16,907 of the former will die before the age of fifty, and only 5,266 of the latter, making the proportion of the deaths of intemperate persons to temperate as 32 to 10.

An explosion in the sun was observed by Prof. Young, of Dartmouth College, on the 8th of September last, the day that was followed by a magnificent auroral display at night. The explosion occurred in a hydrogen cloud about 100,000 miles long by 54,000 miles high!

In Siberia, during the winter, milk is bought and sold in a frozen state, and can be carried for a long period in a simple bag. When required for use the requisite quantity is chopped off with a hatchet or sheath-knife, and thawed as needed.

FEAR OF HEART DISEASE.—The fixed idea of having heart-disease is a very common one. We knew an Indian officer who indulged in it for twenty years, to the great annoyance and terror of his wife and his friends, and who died at a good old age, with a perfectly "sound heart," physically speaking. By auscultation, doctors can very easily tell you whether the heart is right, just as you can hear whether a clock is right as to its tickings and beatings. There are other very sure symptoms well known to the profession. Many persons also fear they have cancer in the stomach or liver; or a tape-worm, or some other dreadful malady, but, generally, these fears are the result of a disordered imagination, and groundless.—Herald of Health.

A Chicago girl wrote to her lover in Springfield, Mass., just after the fire, saying: "Our wedding day was set for next week, and if you will stand up with a woman dressed in a cotton skirt and her father's overcoat, come on." The youth telegraphed: "Get on the coat. I will be there."

If your house takes fire, apply a damp cloth or handkerchief to your mouth and nostrils, or better still, envelop your head in a damp cloth, and you can make your way through the densest smoke.

A county clerk in Iowa recently received a note reading as follows:—"MISTER KLURG—SUR—ISSOO marig licens to wurst for Mister — and Mis —. They is old enough. — step mother and ant."

A music dealer in an eastern town announces in his window a sentimental song, "Thou Hast Loved Me and Left Me for Twenty-five Cents."

HALIFAX, N. S., JANUARY 17, 1872.

MESSENGER ALMANACK.

JANUARY, 1872.

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

Table with columns for Day, SUN, MOON, and High Tide at Halifax. Rows list dates from 1st to 31st with corresponding times for sunrise, sunset, moonrise, moonset, and high tide.

THE TIDES.—The column of the Moon's Southern declivity, gives the time of high water at Parrsboro', 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 30 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 minutes later.

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 Offices 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 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 Office 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.

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May 3.

A. V. P. B.

ARCHIBALDS 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 Province. 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 an eminent French physician, she was entirely cured; and afterwards 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, Biliary, Spitting of Blood, Bronchitis, Sick Headache, Diseases of the Blood, Female Diseases, Running sores, Rheumatism, Krysipelis.

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 Acadian 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 CALEB 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 I am obliged 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 80 cents per box.

Address CALEB 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.

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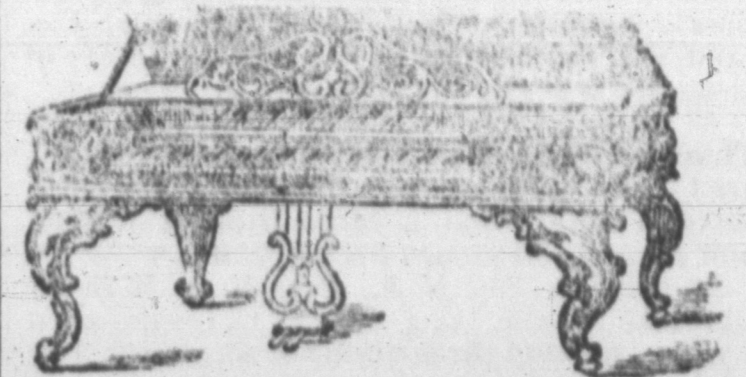
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