

Agriculture.

HOW FOWLS GRIND THEIR FOOD.

Fowls have no teeth to grind or masticate their food with, and the best they are able to do with it is to pick it up and swallow it whole.

Fowls swallow their food broken or not, and it enters the crop or first stomach, and remains in it until it has become softened, more or less, when a small quantity at a time, just as grain runs into the gizzard is forced into the gizzard among the gravel stones.

WHAT CAN BE DONE ON AN ACRE.—The editor of the Maine Cultivator published a few days ago, his management of one acre of ground, from which we gather the following result:—One third of an acre of ground usually produced thirty bushels of sound corn for grinding, besides some refuse.

PASTURING ON CLOVER.—T. L. Shepard, Lowell, Ohio, says:—As I have been puzzled by conflicting testimony in regard to turning cattle into clover, part of which I thought good, and part decidedly bad, I determined to give some rules, so plain that the way-faring man need not err therein; and here they are:—1. Never put anything into fresh clover pasture on an empty stomach.

TOMATO SOUP.—Boil one pint canned tomatoes for twenty minutes in one pint water, then add one pint milk very gradually, that it may not curdle; season as for oyster soup, and serve with hot crackers or squares of toasted bread.

The Maine Poultry Association offers a liberal premium to the boy not less than twelve years of age, and another to the girl over twelve years old, for the best collection of fowl of their own raising, to be exhibited at the fair of that association.

France has imposed a tax on chestnuts. As Paris consumes no fewer than half a million bushels annually, it is reckoned that this tax will yield upward of \$100,000 to the Treasury.

Twenty thousand cattle passed through Fort Worth, Mo., last week, headed for Eastern slaughter yards.

STRAWBERRY FERTILIZER.—In answer to an inquirer, Colman's Rural World relates an experiment in fertilizing strawberries:—"I procured a half-hogshead, filled it with rain water, and put into it one-quarter pound of ammonia, and one-quarter pound of common nitre. When the strawberry plants were blossoming out, I gave them a sprinkling of the solution at evening, twice a week, until the fruit was nearly full size. The result was double the amount of fruit on those where the liquid was applied to what was obtained on those vines right alongside of those where none of the liquid was applied."

A GREENHOUSE OF ARTIFICIAL FLOWERS.—Forty-one of the leading artificial flower makers of Paris combined to send to the Vienna Exhibition a specimen of their united skill, which shall prove incontestably that the capital of France still reigns supreme in the matter of artificial flower manufacture. This patriotic contribution consists of a complete greenhouse, filled with flowers of every description perfectly imitated. In it are hyacinths, the illusion of which are the fibres thrown out by the roots; bouquets, in which one sees the flower freshly blown and that which has been in existence but two hours; wild flowers, the soft, grey down of which seems ready to float away.

Scientific.

ATMOSPHERIC TEMPERATURE.—M. Tissandier states that in a late balloon ascent from Paris he reached a height of 6,560 feet above the earth, where, having passed through layers of clouds he found a bright sunlit sky and a temperature of from 63 deg. to 65 deg. Fah. When descending and re-entering the clouds, which were in a highly electric state, the temperature decreased to 27 deg., and the balloon was surrounded by small crystals of ice.

SOLID-IRON SHIPS.—A Philadelphia mechanic proposes to build steamships of one solid piece of iron or steel, without a joint. This he accomplishes by welding the plates and frame, instead of using bolts or rivets. He claims that he has invented machinery by which the thing can be done, at a great saving of cost, of weight, and of time, and with great gain of strength and durability, and that such a vessel cannot leak, and will bear a much more violent blow on rocks, without injury to her bottom, than a vessel made of plates and frames riveted and bolted together.

THE FEET.—As the feet are kept more closely covered than any other part of the body during the day, they should be thoroughly washed and rubbed till dry, every night. Impurities gather as the result of the confined perspiration, and these should be removed before sleeping. However inconvenient to do so, we repeat it, wash the feet every night.—Phrenological Journal.

An English gentleman has recently discovered near the well of Moses, by the Red Sea, the remains of ironworks so vast that they must have employed thousands of workmen. Near the works are to be found the ruins of a temple, and of a barracks for the soldiers protecting or keeping in order the workmen. These works are supposed to be at least 3,000 years old.

Notes and Queries thinks it worth while, before the ballot comes into operation at a general election, to put on record a list of the professions of the members of the British House of Commons elected on the old system; 129 are described as lawyers, 98 as merchants, 7 as newspaper proprietors, 6 as medical men, 5 as University professors, 2 as farmers, and 2 as Dissenting members.

A Vermont man who caught the small-pox four years ago and communicated it to some of his neighbours, has just been sued by them for damages, on the ground that to his carelessness was due their infection.

LANGUAGE OF ANIMALS.—Certainly all animals have a mode of expressing their feelings to others of the same species. Wolves arrange attacks, bunting in packs. They are all animated by the same thought, and therefore travel with energy for hours to accomplish a design of which each member of the enterprise has a rational understanding. Deer and Buffaloes act in concert in regard to seeking food or water. Perhaps the government of wild horses, through signs which any horse in a group of hundreds instantly recognizes as an imperative command of one individual, who prances up and down the line like one in authority, is about as perfect and as mysterious as anything in natural history. Birds and dogs are exceedingly sociable, enjoying the society of their kith and kin as much as country cousins when they visit city relatives. Rats and mice, too, and even insects, are supposed to have the faculty of communicating their wishes and opinions to each other.

A PICKPOCKET'S DISCOMFITURE.—A woman who was riding in a Broadway omnibus, not long since became aware that the "gentleman" on her right was feeling for her pocket under her cloak. For a moment a cold shiver passed through her, but as it was broad daylight, and as there were evidently many persons in the omnibus to whom she might apply for protection, she took courage, recollecting that in the dress she wore her pocket had, much to her previous annoyance, been sewed on the wrong side of the skirt, concluded to sit still and await the course of events. After having been sufficiently entertained by the vain efforts of her neighbor to find the pocket, she turned to him, and said quietly, "My pocket is on the other side, sir." The man immediately jumped up, pulled the strap, and disappeared with most amusing rapidity, the coolness of the lady having been too much for his artistic nerves.

The best linseed oil is yellow, transparent, and comparatively sweet scented, and has a flavor resembling that of the cucumber.

NOTICE.

THE Subscriber offers for Sale his well known Farm, Situate in Wilnot, County of Annapolis, on the North back road, about one half mile east from the Wilnot Spa Springs, and about one and a half miles from the Railroad Station. Said farm contains 125 acres of very valuable land, advantageously divided into Hay, Pasture, and Woodland. The hay and tillage land are under a superior state of cultivation, the pasture is of an excellent quality, and wood lot sufficient to supply a family for generations to come. On the Farm is a comfortable House of Size and accommodations to suit a large family. Also 2 good Barns, with other convenient out buildings all in good state of repair. An abundant supply of water is carried into the House by pipes from a never failing Spring, and also taken for the use of the barn.

There are about 100 grafted apple trees producing from 60 to 200 barrels annually. This property is so well known that further particulars are unnecessary. The terms of payment will be made easy, only a small proportion will be required down, with good and approved security for the remainder. The stock and farming utensils can be had by a purchaser of the farm if required. For further particulars apply to the owner on the premises.

GEORGE BALENTINE, Wilnot, County of Annapolis, January 22nd, 1873. Jan. 29

Superior Pianos, IN VARIOUS STYLES. UPRIGHT, OBLIQUE, SQUARE, Etc. With all the latest improvements, manufactured by the subscribers, and especially adapted to this climate. An assortment of THE "SILVER TONGUE." A very fine toned CABINET ORGAN, by Carhart and Needham, N. Y. The above are offered to a discriminating public at moderate prices, WM. FRASER & SONS, June 1. 70 & 72 Barrington St.

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. 1yr.

HALIFAX, N. S., JUNE 25, 1873. MESSENGER ALMANACK. JULY, 1873. First Quarter, July 2nd, 6h. 56a. afternoon. Full Moon, " 10th, 2h. 16m. morning. Last Quarter, " 16th, 4h. 43m. afternoon. New Moon, " 24th, 6h. 19m. morning.

Table with columns: Day, SUN., MOON., High Tide. Rows for days of the week and moon phases.

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

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.

Joyful news for the Afflicted. GATES' Life of Man Bitters.

Mrs. Alice Robinson of Williamston, in the county of Annapolis and Province of Nova Scotia, deposed and said that in the year 1840 she was fearfully and distressingly afflicted with a combination of complaints which altogether rendered her almost helpless, during which time she was treated by one of the ablest physicians residing in the county, and part of the time by two Physicians for about a year, and still was not sensible of any material benefit or relief. And after a time she was recommended to a medicine at that time prepared by Mrs. Gates of Wilmet, which in an incredibly short time acted like a charm upon her whole system, and she was entirely cured of all her various difficulties and complaints and remained as she considered a sound and healthy woman for about twenty five years.

Mrs. Robinson further states that in the autumn of 1869 she was taken ill and was under the doctors hands all winter, and in the spring ensuing she was taken with a most obstinate and distressing cough which the doctor was unable to cure. She was also afflicted with the piles and other troublesome complaints. At length she resolved to apply to Dr. Caleb Gates for assistance and help, and soon found them all yielding to the power and influence of his justly celebrated medicines, and says she is completely free and cured of all these various difficulties through the kindness and skill of Dr. Gates and the efficacy of his most excellent medicine.

Mrs. ALICE ROBINSON Sworn to at Williamston, this 9th day of February, A. D., 1872, before me, JAMES WHEELLOCK, J. P. Lunenburg, Nova Scotia. Sept. 18 1871.

Dear Sir:—Last winter I was so troubled by a severe cough that I feared consumption would ensue. I failed to obtain relief from any source, until I tried your medicine. I now state on my oath, that one bottle gave me relief. I continually keep it for the use of my family and would not think of being without it.

Yours most respectfully, GEORGE ARENBURG. Sworn before me one of Her Majesty's Justices of the Peace for the county of Lunenburg. JAMES D. SELIG, J. P.

PRICE. Bitters \$1 per bottle; Syrup 50 cents per bottle; Liniment 25 cents per bottle and the ointment 25 cents per box. Address CALEB GATES & CO., Farmington, Wilnot, 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, 126 Granville Street, Halifax. May 21.

BAZAAR. THE Ladies of the Baptist Sewing Circle in Onslow intend holding a sale of useful and ornamental articles at the New Baptist Meeting-House in Onslow, in the last week in June or the first week in July ensuing of which timely notice will be given. Tea and Refreshments will be furnished on the occasion, the proceeds to be in aid of the Baptist Church Building Fund. Contributions which will be gratefully received, and may be forwarded to Mrs. JAMES McCURDY, Mrs. JAMES LINTON, Mrs. FRANCIS LARRAIN. Onslow, May 21st, 1873. May 25.

INTERCOLONIAL RAILWAY.

1873—Summer Arrangements—1873 COMMENCING ON MONDAY, 26th May, 1873.

- NO. 1. (Through Passenger Express) will leave Halifax at 7.30 a. m., and be due in St. John at 8.30 p. m. This train will stop at Windsor Junction and Shubenacadie; and (between Painesec and St. John) only at Booking Stations, except where it may be necessary to cross other trains or to put down passengers who may have got on board at Painesec and stations East and South of that place. (Through Passenger Express) will leave St. John at 8 a. m., and be due in Halifax at 8.50 p. m. This train will stop (between St. John and Painesec) only at Hampton, Sussex, Peticodiac and Moncton; and (between Truro and Halifax) at Shubenacadie and Windsor Junction, except where it may be necessary to cross trains or to put down passengers who may have got on board at stations North and West of Truro.
- Nos. 3 and 5 (Pictou Passenger Accommodation) will leave Halifax at 6.15 a. m., and be due at Pictou at 12.15 p. m., and 6 (Shediac Passenger Accommodation) will leave St. John at 7 a. m., and be due at Point DuChene at 12.15 p. m.
- Nos. 7 and 9. (Freight and Passenger Accommodation) will leave Halifax at 11.30 a. m., and be due at Pictou at 8.15 p. m.
- Nos. 8 and 10 (Freight and Passenger Accommodation) will leave St. John at 10.50 a. m., and be due at Point DuChene at 7.25 p. m.
- No. 11. (Truro Freight) will leave Halifax at 3.30 p. m., and be due at Truro at 9.10 p. m.
- No. 12. (Passenger Accommodation) will leave Painesec at 4.20 p. m., and be due at Point DuChene at 5.00 p. m.
- No. 13. (Truro Passenger Accommodation) will leave Halifax at 6.15 p. m., and be due Truro at 8.15 p. m.
- No. 14. (Passenger Accommodation) will leave St. John at 2.00 p. m., and be due at Hampton at 3.10 p. m.
- No. 15, 17 and 19. (W. & A. R.) will leave Halifax for Windsor Junction at 8.00 and 8.45 a. m., and 3.00 p. m.
- No. 16. (Peticodiac Freight) will leave St. John at 2.45 p. m., and be due at Peticodiac at 8 p. m.
- No. 18. (Sussex Passenger Accommodation) will leave St. John at 4.40 p. m., and be due at Sussex at 6.40 p. m.
- No. 20. (Truro Passenger Accommodation) will leave Truro at 6.00 a. m., and be due in Halifax at 9.15 a. m.
- No. 21. (Sussex Passenger Accommodation) will leave Sussex at 7 a. m., and be due in St. John at 9.00 a. m.
- No. 22. (Truro Freight) will leave Truro at 6.45 a. m., and be due in Halifax at 1.20 p. m.
- Nos. 23 and 25. (Shediac Passenger Accommodation) will leave Point DuChene at 6.50 a. m., and be due in St. John at 12 noon.
- No. 24 and 26. (Freight and Passenger accommodation) will leave Pictou at 6.00 a. m., and be due in Halifax at 2.35 p. m.
- No. 27. (Peticodiac Freight) will leave Peticodiac at 7.00 a. m., and be due in St. John at 1.30 p. m.
- Nos. 28 and 30. (Pictou Passenger Accommodation) will leave Pictou at 1.45 p. m., and be due in Halifax at 7.30 p. m.
- No. 29. (Passenger Accommodation) will leave Hampton at 5.45 p. m. and be due in St. John at 6.55 p. m.
- Nos. 31 and 33. (Shediac Passenger and Freight Accommodation) will leave Pt. DuChene at 10.30 a. m., and be due in St. John at 7.45 p. m.
- No. 32, 34 and 36. (W. & A. R.) will be due in Halifax at 11.00 a. m., 6.45 p. m. and 8.25 p. m.
- No. 35. (Passenger Accommodation) will leave Point DuChene at 3.20 p. m., and be due at Painesec at 4 p. m.
- Nos. 37 and 39. (Truro and Moncton Freight Passenger Accommodation) will leave Truro at 9.30 p. m., and be due at Moncton at 8.10 a. m.
- Nos. 38 and 40. (Moncton and Truro Freight and Passenger Accommodation) will leave Moncton at 6.45 p. m., and be due at Truro at 5.30 a. m.

FANCY SALE AT ANTIGONISH.

THE Ladies of the Antigonish Baptist Sewing-Circle intend holding a Sale of Fancy Articles early in the ensuing Summer for the purpose of aiding in the erection of A NEW BAPTIST MEETING HOUSE. Contributions to the Fancy or Cash department, will be most thankfully received by either of the following Committee. Mrs. F. Cunningham, Mrs. T. M. King, Mrs. C. B. Whidden, Mrs. I. F. Robb, Mrs. J. B. McQuillin, Antigonish, Miss Maggie Hill, Sydney, Miss Fannie King, Truro, Mrs. Reuben Hart, Halifax. Antigonish, March 22nd, 1873. April 2.

THE CHRISTIAN MESSENGER

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