

Agriculture.

WASTEFULNESS OF FARMERS.

Not less than twenty per cent. of the entire capital employed in farming in this country is wasted. This is a low estimate, for on many farms the amount of waste is double the amount named.

In spring more corn, potatoes, and crops, requiring culture during the period of growth, are put in than can be attended to, and the results are that haying and harvesting grain-crops upon the hoeing, and so on all sides.

Contrary to the general idea, we believe that the curse of American agriculture is cheap lands, producing a low standard of farming, and a grasping disposition to possess broad acres, with a corresponding neglect of the same when once they are obtained.

The result of such a system is a slavish life for a term of years in order to procure stock, implements, barns, and finally, a comfortable house for the wife and family.

Now, there is but one way to remedy this wide-spread evil, and that is to own less land; make it produce better crops, and thereby prevent a waste of time and labour. A man should never put more than one-half his capital into land, no matter how much or little he may have.

LOCK YOUR HAY CUTTERS.—An ordinary hay cutter left accessible to children is fraught with serious danger, and we hear of the loss of fingers from this cause. The danger can be obviated by putting a little piece of chain around the fly wheel and securing it with a padlock.

FOR THE HOUSEKEEPER.

DELMONICO PUDDING.—3 table-spoons of maizena, 1 quart of milk, 5 eggs. Use the yolks of the eggs with 6 table-spoons of sugar; and add a tea-spoon of lemon or any flavor preferred.

BREAD MERINGUE PUDDING.—1 pint of fine bread crumbs, 1 quart of milk, juice of a lemon, yolks of 5 eggs 1 cup of sugar. Beat the whites of the eggs to a stiff froth, flavor with the grated peel or juice of a lemon, 1 cup of sugar.

POULTRY should never be eaten in less than six or eight hours after it is killed; but it should be picked and drawn as soon as possible. Careful housewives keep a fowl for a day and night before killing and dressing for their own eating.

Scientific.

PRIZES FOR IMPROVEMENTS.

The Society of Arts, London, has lately issued a detailed statement of prizes offered for various practical improvements. The following are some of the objects for which prizes are offered, which we copy from the Scientific American:—

GOLD MEDAL.—For the discovery or manufacture of a means for safely and economically generating power, suitable for use in place of steam. It should be free from refuse, noxious fumes, and injurious effects on the metals with which it may be brought into contact, or on the workmen employed.

GOLD AND SILVER MEDALS.

COATING VESSELS.—For an economical method of coating large vessels of zinc, such as baths, so as to present a bright and clean surface, not readily oxidized and as durable as a tinned or japanned surface.

INCOMBUSTIBLE WICK.—For the production of an incandescent wick, suitable for use in lamps.

CASTS (WHITE MARBLE).—For a means of casting ornamental panels, or marble groups of figures, flowers, etc., as well as the polished surface of artistically finished works.

WASTE COAL.—For a more economical and efficient method than any at present in use of preparing waste coal, so as to render it available as fuel for engineering or domestic purposes.

LIGHTING COAL MINES.—For a means of lighting coal mines, so as to increase the light in the workings, and at the same time reduce the risks arising in the use of the ordinary miner's lamp.

A VARNISH—of coating which can be applied to iron wires, so as to protect them against rust, and which shall not be liable to chip off when the wire is bent or rubbed.

A SENSITIVE POCKET GALVANOMETER.—The size should not exceed that of a watch.

POTATO DISEASE.—For a method of preventing the potato disease.

NEW EDIBLE ROOTS.—For the discovery and successful introduction into England of any new edible root or tuber useful as food for men or cattle, capable of resisting frost, and suitable for extensive and improved cultivation.

UNBURNABLE SHIPS.—For plans for the construction of an efficient and seaworthy vessel, such that, when perforated either by shot or accident and filled with water, she shall in part maintain her floating power.

PETROLEUM AND OTHER LIGHT OILS AND SPIRITS.—For a cheap and effective method of constructing store-houses for the storage of petroleum and other light oils in towns and cities, so as to give greater security to the adjacent properties.

All communications and articles intended for competition must be delivered addressed to the Secretary, at the Society's House, London, free of expense, on or before the 31st of December, 1873 or 1874. In the first case they will be considered during the session 1873-4; in the second case during the session 1874-5.

THE WATER SUPPLY OF PARIS.—Two new artesian wells have been in course of construction for some years in Paris, one at the Butte-des-Cailles, the other on Place Hebert. The former has been sunk to a depth of 1,725 feet, and it is expected that water will be obtained at 1,890; its cost will be about \$125,000. The other well, like that completed after so many years' labor at Passy, presents great difficulties; and although the work is pushed on with activity, the progress is not more than 16 feet per month; and it is believed that 18 months' time will be required to finish the work.

MEAT FROM AUSTRALIA.—A cargo of Australian meat has recently been sent to England, and its preservation during the voyage is effected by a new process, in which no antiseptic materials of any kind are employed. The beef and mutton is brought on board directly from the slaughterhouse and thrown into an iron tank, no particular care being exercised in arranging the pieces. The reservoir is placed within another and larger receptacle, and ice, produced by artificial means, is packed upon the cover of the inner vessel. The water due to melting runs over the upper surface and down the sides of the latter; and it is collected at the bottom to be returned by tubes to the ice to be again refrigerated. The apparatus is built in a kind of well, made between the upper deck and hold of the vessel about amidships, and is protected by layers of sawdust and other non-conducting material. It is said that meat thus treated has been kept on shore for eighty-five days without losing any of its properties or becoming in any-wise decomposed.

SOAP SOLUBLE IN SEA WATER (M. Manu).—Oil or fat, 46 parts; resin, 10 parts; fish glue, 40 parts; soda or potash, 1 part; oxalate of potash, 1 part. The oil and resin are saponified as usual, but with an excess of alkali, the glue previously rendered gelatinous by solution in oxalate of potash with constant stirring to 50° or 60.

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NOW OPENING: Ten Cases S. S. Books. The Publications of—The Religious Tract Society, London. The Christian Knowledge Society, London. The Book Society, London. Messrs. Campbell & Son, Toronto. T. Nelson & Sons, Edinburgh. Johnson & Hunter, " Gall & Inglis, " Oliphant & Son, " Alto Constantly on hand, Illustrated S. S. Papers, Papers and Books for S. S. Teachers, S. S. Cards, Illustrated, Send for Catalogue. A. McBEAN, Secretary. April 2.

WINDSOR & ANNAPOLIS RAILWAY.

CONDENSED TIME TABLE. COMMENCING OCTOBER, 1873. HALIFAX TO ST. JOHN.

Table with columns: Mile, Stations, Exp. 1st and 2nd Class, Pass. 1st and 2nd Class, P.M., A.M., P.M., A.M.

ST. JOHN TO HALIFAX.

Table with columns: Mile, Stations, Pass. 1st and 2nd Class, Exp. and 1st Class, P.M., A.M., P.M., A.M.

N. B.—The Express trains now run daily. Steamer "Sea" or "Empress" leaves St. John on Monday, Wednesday, Friday and Saturday, at 8 a. m., for Annapolis, and returns same day on arrival of 8 a. m. Express Train from Halifax. International Steamers leave St. John on Monday and Thursday at 8 a. m., for Eastport, Portland, and Boston. European and North American Railway Trains leave St. John at 5.30 a. m. and 9 p. m. for Woodstock, Fredericton, St. Stephens, Bangor, Portland, Boston, and all parts of the United States and Canada.

HALIFAX, N.S., DECEMBER 10, 1873. MESSENGER ALMANACK. DECEMBER, 1873.

Table with columns: Day, SUN, MOON, High Tide, Low Tide, Sunrise, Sunset, Moonrise, Moonset.

THE TIDES.—The column of the Moon's Position gives the time of high water at Fairsboro', 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. 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 in the morning.

NOTICE.

THE Subscriber offers for Sale his well known Farm, situate in Wilmot, County of Annapolis, on the North back road, about one half mile east from the Wilmot 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 BALLENTINE, Wilmot, County of Annapolis, January 22nd, 1874. 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.

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. INNES. Price 5 cents or \$6.00 per 100.

WHY spend you money in procuring Foreign preparations when you can so easily procure better articles, of home manufacture and at less price? Archibald's Cough Mixture, a universal remedy for Lung and Chest disease—Archibald's Tonic Bitters a capital remedy for Dyspepsia and Liver Complaint—Archibald's Vegetable Palm Balsam the great killer of pain. Price 25 cents per Bottle. Manufactured by M. ARCHIBALD, Truro. Sold by all respectable traders and druggists. May 7.

MUSICAL. C. E. & G. O. GATES, Manufacturer of ORGANS AND PIANOS. GENERAL Agents for the Smith American Organ Company, and Henry F. Miller's Pianos. Second hand Pianos and Organs taken in exchange for new. A practical man will travel over the Province twice a year, for the purpose of tuning, repairing, and taking orders. Instruments warranted for 5 years. Melvern Square, Wilmot, N. S. June 18.

DR. R. R. CUNNINGHAM, DENTIST, 40 GERMAIN ST., ST. JOHN, N. B. Dentistry in all its branches. Artificial teeth mounted on fine Gold Plates. I keep a large assortment of teeth from the best manufacturers, in every variety of style. Valuable Plates made from the best English and American rubbers. My Laboratory is constantly supplied with the most expert workmen that can be procured and with all modern contrivances in the way of tools, machinery, &c. None but perfect work allowed to leave the establishment. Persons from Nova Scotia visiting St. John can have artificial denture supplied with less detention than at any other office. Teeth filled with Pure Gold, also, with all the best composition fillings known.

Dr. R. R. Cunningham, 40 GERMAIN ST., St. John, N. B. March 12.

AUTUMN STOCK.

150 GRANVILLE STREET. WE are now opening per "Sidonian," "Isabella," and "Austrian," 84 PACKAGES OF DRY GOODS. Balance expected daily, per "Severn," "Nestorian," "Delta" and "Rosenath."

MILLINERY. Stock of Millinery now Complete. Wholesale and Retail. SMITH BROS. Sept. 17.

LAND AND TANNERY For Sale.

THE subscriber offers at private sale the Property on which he now lives, situate in Pictou, on the main Post Road, leading from Windsor to Hantsport, Wolfville, etc., consisting of ten Acres Prime LAND, with DWELLING HOUSE, Well, Stable, Orchard, Tannery, and out buildings connected, with a never failing Brook running through it. As he is unexpectedly called to change his business, will sell all the fixtures connected with the annery, (which is 38 x 40, two stories high,) such as Bark Mill, Tables, Benches, Tows, besides other articles on the place too numerous to mention, so that the purchaser may go to work without any loss of time. ALSO—A LOT HIDES. A part of the purchase money may remain on mortgage. Feb. 19. P. W. PAYZANT.

SKIN DISEASES.

I will send (free) receipt for my VEGETABLE BALM removing Pimples, Black Worms, Blisters, Freckles, Muth and Tan, leaving the skin clear and with a healthy glow. Also, sure process for the growth of HAIR on bald heads or smooth faces. B. BRATT, Chemist, 42 Fine St., New York, P. O. Box 6,125. (Send stamp;) Oct 1. 5ms.

Hats and Caps.

WE have now on hand a full Stock of all kinds, including the NEWEST STYLE. 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. GYRETT BROTHERS, 100 Granville St. May 3.

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