

Agriculture.

WATER FOR CATTLE.—A very bad practice prevails in winter time. We refer to watering at ponds or streams that are frozen over, necessitating holes being made in the ice, at which animals are expected to quench their thirst. It is very difficult, even when there is snow enough to give a firm foothold on the ice, for a quadruped to get its mouth down to the water and obtain a drink. What efforts are sometimes made by sprawling out the legs, and bending them unnaturally to get the desired liquid! How often the uncomfortableness of the posture, and the dread of falling, compels the poor creature to content itself with two or three little sips, when the thirst is extreme. Sometimes animals are driven on bare and slippery ice, where they can hardly maintain a footing at all, and are expected to drink; when, at the first stoop, their legs slip from under them. When the ice is thick, and uncovered with snow, it is often impossible for stock to obtain water at all in this way. We believe that water, in a freezing state, is unfit for the use of warm-blooded animals in the winter time; but if they must be watered at openings in the ice, it is only common humanity to do it with the aid of a trough and pail. The best mode of supplying their wants in this respect, is to have a run of water through the mangers. This can only be secured where there are stone basements and flowing springs; but many farms are provided with both, only the springs are unwisely turned to no account.

WASTED TROUBLE.—There is no use in mowing land to grow weeds; in buying tools to rust out under a stone wall; in erecting buildings to rot away for want of paint and care; in buying animals and leaving them to the unhindered action of disease; in accumulating manure to fill the air with its exhalations, and the brooks with its leachings; in raising forage to floor a barn-yard with; in buying land to yearly lose its strength and virtue; in growing crops to feed unheeded insects. Yet more than one of these defects, may be seen in almost unrestrained operation in every farm in the country, and the extent to which they lower the average success of our farmers is greater than would be believed.—New York Herald.

COLORED FAIRS.—Turf, Field and Farm says:—Through the medium of agricultural fairs, the blacks of the state of Kentucky at least, are being educated to take a warm interest in the prosperity and the material growth of the respective local communities in which they live. They have entered the lists of competition, and are there stimulated to strive at excellence in all kinds of handiwork, and are taught the importance of leading lives of sobriety and industry. They take great pride in their annual exhibitions. At Lexington, the very centre of Kentucky aristocracy, and the home of white wealth and culture, the blacks own a beautiful tract of land which they have converted into a fair ground. The place is well improved, and it always presents a neat and striking appearance to those who view it from their carriage windows driving along the public highway.

SAVING TREES FROM MICE.—We would call the special attention of farmers again to the importance of protecting their young trees against the winter ravages of mice. The work required to do this is but trifling and pays largely. There are numerous ways for accomplishing the desired end but the most effectual and convenient we have ever used, is to bank with earth the trunks up a few inches from the surface of the ground. A wagon load of dirt will bank a large number of trees, and if rich soil a double benefit may be derived by spreading the same over the roots of the trees in spring.

An exchange strongly urges a plan which we do not think as good as the above, yet we give it for what it is worth. It says to bandage up the stems of the old tree with any cotton or wollen cloths, or of old muslin with two or three wrappings, letting the bandage go into the ground an inch or two, and six or eight inches above ground, and tie up.

This should certainly be renewed every autumn if necessary, until the trees are large enough not to be injured.

Those who are in earnest for a remedy will try this and save their trees; but it will be too much trouble for others to devote a couple of hours to this labour annually, and they will rather run the risk with the mice.

THE PROFIT ON POULTRY.—Town. Gent: "Now do you find keeping poultry answers?" Country Gent (lately retired): "O, 'es, s'posed to answer. Y'see there's the original cost of the fowls—'f course the food goes down to me, y' know. Well, then, I purchase the eggs from the children, and they eat them!"—Punch.

Scientific.

THE TRICKS OF MAGIC.

Professor Hartz, the magician, has lately been giving a series of performances here, some of which are as surprising as they are entertaining and amusing. One of them is as follows: A common empty packing box, with a lid hung by iron hinges, is placed upon the stage, and a committee from the audience is asked to examine it. They report that it is a firmly made packing box. After a thorough examination, outside and inside, they take a rope and tie it up, passing twice around the ends and sides, passing it through the staples for two padlocks, and then tie the ends firmly, and seal them with sealing wax. They then envelope the box in a canvas, which covers all six sides, when another rope is added, tied and sealed. Surely the box is safe from any attempt to get into or out of it without removing the ropes!

Professor Hartz's assistant then comes forward with a canvas sack, open at one end. This is examined by the committee and by the audience. It is then placed over the head of the assistant, and tied below his feet and the knots sealed. He is then laid on the box, and the box surrounded by a screen. In two and a half minutes the sack is thrown over the screen, the knot and seals untouched. The screen is instantly removed, and the committee, after examining the seals and finding them unbroken, commence untying the ropes and removing the canvas. The box is opened and the man found inside!—Scientific American.

HOW TO GET RID OF RATS.—Tegetmeier the well-known writer on poultry poisoned them with chlorine gas, which is heavier than air, and will flow downward into their holes and suffocate them. It might be used to kill wood-chucks. To make the chlorine, Mr. T. took a Florence oil flask, adapted a piece of glass tubing to its mouth by means of a perforated cork, and to the glass added a short length of india rubber tubing. In the flask put an ounce of manganese, and an equal weight of common salt, pour on a wine glass of water, and then add gradually an equal quantity of strong oil of vitriol (sulphuric acid). The cork and tubes being adjusted, the apparatus was ready for action. A spirit lamp applied to the flask liberated a stream of chlorine, a gas which, if breathed, except when diluted with many times its bulk of air, is absolutely irrespirable. All the rat holes having been covered over, one after another was opened, the india rubber tube introduced, and a stream of chlorine directed down each. The space must have been filled with a mixture of chlorine and air that no animal could have breathed and lived. Since that time, old and young have alike disappeared.

EMBALMING THE DEAD.—In the Vienna Exposition there were several specimens of the embalming of parts of the human body. Those exhibited by Dr. Marini, of Naples, were particularly to be noted. One of these was a large round table made of muscles, sinews etc, of a dark brown color, with a handsome polish. Among his other exploits he petrified Thaiberg, the deceased pianist, and the widow is said to keep the corpse in her drawing room. He also embalmed Mazzini, and so well that some of the more economical admirers of the statesman urged that the body should be set up in Rome as a statue, and thus save expense.

Some 300 pounds of honey were taken from beneath the chamber floor of an old house in Connecticut, recently, being the result of four years' labour of a swarm of bees which had gained access to the house under the roof boards.

WHITE MARKS ON A HORSE.—No. 1.—Take a razor and shave off the hair the form and size you wish the blaze or star to be made; then take a small quantity of oil of vitriol, and with a feather anoint the part once, which will be quite sufficient. After the application of the vitriol the part will become a little sore and inflamed, which may be readily removed and healed up by washing the sore with copperas water." No. 2.—"Take a piece of osunburgs (whatever that may be) the size you want the blaze or star; spread it with warm pitch and apply to the horse's face; let it remain two or three days, by which time it will bring off the hair clean and make the part a little tender; then take of elixir vitriol a small quantity and anoint the part two or three times; or, of a very common weed called smart-weed, a small handful, bruise it and add to it about a gill of water, and use it as a wash until the face gets well, when the hair will grow out entirely white."—A. R. Mason, M. D., in Turf, Field, and Farm.

Mr. Maurice Strakosch has discovered another of those wonderful musical geniuses who some how happen to be discovered at the moment when most needed. The new warbler is Mde. Belocca, a Russian by birth, a small brunette, with wonderful eyes. In voice dramatic, force, fervor, and sympathy she is said to possess all the requirements for an artiste of the highest class.

Articles and Covenant of Baptist Churches. \$1 00 per 100 copies. July 2.

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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, "Alphons & 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: Miles, STATIONS, Exp. and Pass. Class, Pass. and Frgt. Class. Rows include Halifax, Bedford, Wind. Junction, Mount Uniacke, Newport, Windsor, Hantsport, Wolfville, Kentville, Aylesford, Mid. Hcton, Bridgetown, Annapolis—arrive.

ST. JOHN TO HALIFAX. Table with columns: Miles, STATIONS, Pass. and Frgt. Class, Exp. and 1st Class. Rows include St. John by Steamer, Annapolis, Bridgetown, Middleton, Aylesford, Kenville, Wolfville, Hantsport, Windsor, Newport, Mount Uniacke, Windsor Junct., Bedford, Halifax—arrive.

N. B.—The Express trains now run daily. Steamer "Scud" or "Empress" leaves St. John on Monday, Wednesday, Friday and Saturday, at 8 a. m., for Annapolis, and return 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 8.30 a. m. and 9 p. m., for Woodstock, Fredericton, St. Stephens, Bangor, Portland, Boston, and all parts of the United States and Canada.

Through Tickets at reduced fares by above routes to all parts of the United States and Canada may be obtained at the Ticket Office, 125 Hollis Street, Halifax, at Richmond, and the principal Stations on the Railway. P. INNES, Manager. Oct. 22. Kentville, 6th Oct., 1873.

HALIFAX, N. S., DECEMBER 24, 1873.

MESSENGER ALMANACK. DECEMBER, 1873.

Table with columns: Day, SUN. Rise, Sets, MOON. Rise, Sets, High Tide. Rows include Full Moon, Last Quarter, New Moon, First Quarter, and daily 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 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, 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. 331 HOLLIS STREET. HALIFAX, N. S. 1st. 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 6 cents or \$6.00 per 100.

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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 Papers made from the best English and American rubbers. My Laboratory is constantly supplied with the most expert workmen that can be procured any 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," "Isualta," and "Ausrian," 84 PACKAGES OF DRY GOODS. Balance expected daily, per "Severn," "Nestorian," "Delta" and "Roseneath."

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

LAND AND TANNERY For Sale.

THE subscriber offers at private sale the Property on which he now lives, situate in Falmouth, 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 outbuildings connected, with a never failing Brook running through it. As he is unexpectedly called to change his business, will sell the fittings connected with the annery, (which is 38 x 40, two stories high), such as Bark Mill, Tables, Beams, Tools, 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 VEGE-TABLE BALM, removing Pimples, Black Worms, Blisters, Eruptions, Moth 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. H. PRATT, Chemist, 42 Pine St., New York, P. O. Box 5, 128. (Send stamp.) Oct 1.

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 Ooufournateur Measure, without extra charge. EVERETT BROTHERS, 100 Granville St., Nov 5.

THE CHRISTIAN MESSENGER

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