

Agriculture.

BENEFITS FROM HOING.

Too many persons who use the hoe suppose that the chief benefit derived from it is to kill the weeds. That, certainly, is an important work, and one greatly neglected.

There are other advantages, however, which are quite commonly overlooked.—Let us see:

1. The loosening of the soil in the operation of hoeing is beneficial to the plants; as much as the destruction of the weeds, or more so.

2. Moisture abounds in the atmosphere during the hottest months, and is absorbed and retained most abundantly by a soil which is in the most friable state.

3. Then, again, pulverising soil enables it better to retain the moisture absorbed.

4. The soil, in order to be healthy and active, must breathe. A light, porous soil admits the air, and thus it is fed and greatly invigorated by the atmosphere.

5. The sun's rays heat a hard soil much quicker than a loose one, and the hotter the soil is, so much greater will be the evaporation from it.

6. The roots of plants can find their way through a moist, loose soil in search of food, much better than they can through a hard, dry soil.

7. The soil that has been ploughed well, and then kept loose near the surface by the action of the hoe, will receive and hold the rain water that falls, while a hard soil will allow most of it to run off into the valleys and streams as it falls.

Let us all hoe through the season until the crops are perfected, and while engaged in work, observe and discuss the benefits we may derive from it.—New England Farmer.

CURING CLOVER HAY WITH STRAW.

Says a correspondent of the Journal of the Farm; "I am feeding clover hay put into the mow last summer about half-cured. About one foot thick of clover spread evenly over the mow, then the same amount of straw, again clover alternating with straw. Putting several loads in this manner, it comes out nearly as green as fresh cut grass or clover, perfectly free from dust or smoke.

TO PURIFY MILK PANS.—Place in a convenient position a vessel of suitable dimensions for the size of the dairy, from a half barrel to a hoghead. In this slake quicklime enough to make a thin whitewash when full of water, and to cover to keep out dust and dirt. The lime will settle, leaving a solution of lime over it as clear as spring water.

OATS.—"Humph!" said an Englishman to a Scotchman, as they were walking over the fields, "oats are all very well in their way, but in England we feed them to our horses, while here they are food for men."

DUCKS IN THE VINEYARD.—It is said in the Grape Culturist that a large vineyardist in Illinois keeps not less than one hundred ducks constantly among his vines; he says it is wonderful with what diligence they will dart after all kinds of bugs, thrips, flies and small snails, and he considers them among the best of insect exterminators.

ONE SAFE RAILWAY.—The Michigan Central Railway Company carried more than 1,300,000 passengers last year, and killed nobody. Will other railroad companies please take notice!

Scientific.

THEY ALL DRINK WATER.

Pinks with white and crimson streaks On their soft and dimpled cheeks: Sweet violets whose azure eyes Won their beauty from the skies; Dear daisies touched with silver sheen, Shining on hill and valleys green, And dandelions crowned with gold. Drink only water pure and cold.

INCREASE OF RAIN.—It is a curious fact that as the settlements spread beyond the Mississippi, rains increase both in frequency and amount of water. Many of the beds of streams, which were uniformly dry in summer only ten years ago are now full through the year.

The enormous size of the great Portland breakwater, which was lately opened with so much magnificence by the Prince of Wales, may be judged from the fact that six millions of tons of stones have been used in its construction. It is 107 feet high and 300 feet thick at the base, and has taken 23 years in construction.

The hard soaps are made with soda, and the soft ones with potash. The hardness of soap, however, depends on the character of the fats or oils used. Rosin is used to soften the tallow-soaps, and not to harden them as is supposed.

THE EARTH'S ATMOSPHERE.—While the grosser part of the earth's atmosphere is limited to a moderate distance from the earth, the phenomena of lunar eclipses are said to indicate an appreciable atmosphere at a height of sixty-six miles. The phenomena of shooting stars indicate an atmosphere at the height of two hundred or three hundred miles, while the aurora indicates that the atmosphere does not entirely cease at the height of five hundred miles.

A GOOD HARNESS BLACKING.—Is made of four ounces of hog's lard, sixteen ounces of neat's foot-oil, four ounces of yellow wax, twenty ounces of brown sugar, and ten ounces of water. Heat the whole to boiling, and stir until it becomes cool enough to handle, then roll it into balls about two inches in diameter.—Ex.

THE PIANO IN ONE LESSON.

All the G and A keys Are between the black three, And 'tween the two are all the D's; Then on the right side of the three Will be found the B's and C's; But on the left side of the three Are all the F's and all the E's.

AN EXPENSIVE BUSINESS.—The "New York Journal of Commerce" says that not less than a thousand dollars a day suffices to conduct a first-class daily newspaper with a full staff of editors and reporters, with its commercial and new correspondence, and its telegrams from every corner of the land, and its costly despatches from across the ocean.

ONE SAFE RAILWAY.—The Michigan Central Railway Company carried more than 1,300,000 passengers last year, and killed nobody. Will other railroad companies please take notice!

HALIFAX, N. S., OCTOBER 16, 1872.

MESSENGER ALMANACK.

OCTOBER, 1872. New Moon, October 21, 11h. 16m. morning. First Quarter, " 9h. 49m. afternoon. Full Moon, " 16h. 11h. 20m. morning. Last Quarter, " 24h. 4h. 39m. morning.

Table with columns: Day, SUN., MOON., High Tide. Rows for days of the month from Tu. to Th.

THE TIDES.—The column of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

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.

NOTICE TO TEACHERS.

THE Trustees of the Cape Breton County Academy will, on the 1st of November, require a Head Master to take charge of the Academy, salary \$600 per annum.

Applications, accompanied by testimonials, will be received until October 12th. Address: F. FALCONER, Secretary.

British American Book and Tract Depository.

63 GRANVILLE ST., HALIFAX, N. S., Constantly on hand a good supply of Standard Religious, Theological and S. S. Books, Illustrated Papers, Reward Cards, Tracts, &c.

The following are offered at about one-third less than the publishing prices in London, in order to extend their circulation as widely as possible. Many of them have been extensively owned by the Spirit of God in the salvation of souls.

Table with columns: Personal Religion; Will You Consider it; Boardman; God's Way of Peace; Bonar; Pilgrim's Progress; Bunyan; Way of Life; Hodge; Guide for Young Disciples; Pike; Saints' Rest; Baxter; Golden Treasury; Bogatzky; Rise and Progress of Religion in the Soul; Doddridge; Early Religion; Pike; Early Piety; Pike; Call to the Unconverted; Baxter; Anxious Inquirer; James; Blood of Jesus; Christian Hero; Life of Robert Annan; Come to Jesus; by Newman Hall; The Sinner's Friend; by John Vine Hall.

NOVA SCOTIA Boot & Shoe Factory 32 & 33 GEORGE STREET. (North-end of Provincial Building.)

THE Subscriber begs respectfully to intimate to his Friends, and Public generally, that having fitted up his Establishment with the Latest and most Improved Machinery.

BOOTS AND SHOES, at all Prices. VARIETY, QUALITY, STYLE, FINISH AND CHEAPNESS cannot be excelled by any goods offered in this market.

WHOLESALE BUYERS Will find our Terms Liberal, and we assure them that their interests will receive our best attention. GEORGE S. YATES.

HALIFAX, N. S., April 24, 1871. May 3.

PARKS COTTON WARP.

White, Blue, Red, and Orange.

WARRANTED Best quality and full length.

FOR SALE BY ALL DEALERS. Sept. 11.

CAUTION!! CAUTION!!!

TO THE PUBLIC OF THE BRITISH PROVINCES OF NORTH AMERICA.

I beg most respectfully to acquaint the public of the British North American provinces that in May, 1871, I caused the business at 80, Maiden Lane, New York, for the sale of HOLLOWAY'S PILLS AND OINTMENT, which were up to that time prepared by William Brown, now deceased, to be closed.

Those who do not wish to be deceived by buying spurious medicines, which are now likely to emanate from the States or elsewhere, but to possess themselves of the genuine HOLLOWAY'S PILLS AND OINTMENT, manufactured by me in London, England, will do well to see that each pot and box bears the British Government stamp on which is engraved the words "HOLLOWAY'S PILLS AND OINTMENT," and that the address on the label is 533, OXFORD STREET, LONDON, where only they are manufactured.

No representative of mine will ever travel through any part of the British Provinces or the United States, either to sell, or to take orders for my Pills and Ointment, and as I have reason to believe that attempts will very probably be made to deceive the public in this way by persons calling upon medicine vendors, falsely representing that they are acting for me, and with my knowledge and consent, I deem it advisable to put the public on their guard against any such deceptions.

I most earnestly entreat all those who may read this advertisement that they be pleased, in the public interest, to communicate the purport of the same to their friends that they may not be defrauded of their money by purchasing perhaps worthless imitations of the genuine HOLLOWAY'S PILLS AND OINTMENT.

I would ask, as a great favour, that should it come to the knowledge of any person that spurious medicines are being sold in my name, he be pleased to send me all the particulars he can collect respecting the same, that is to say, the name and address of the vendor who is selling the spurious medicines, and likewise the name and address of the House in the United States, or elsewhere, which may have supplied them, so as to enable me, for the protection of the public, to institute proceedings against such evil doers, and I engage to remunerate very handsomely any person who may give me such information, the informant's name never being divulged.

Should any person have reason to believe that he has been deceived by buying spurious imitations of these Medicines, he will do well to send me, in a letter, to the address at foot (which he can do at a cost of six cents in postage), one of the books of instructions which are affixed to the same. I promise to examine it and send a reply, stating whether the Medicines are genuine or not, so that if spurious he may apply to the person from whom he purchased them to have his money returned.

Chemists and Druggists who desire to obtain the Medicines can be supplied at the lowest wholesale prices in quantities of not less than 250 worth—viz., 8s. 6d., 22s., and 34s. per dozen boxes of pills or pots of Ointment, net, without discount, for which remittance must be sent in advance.

I have the honour to be, With great respect, Yours truly, THOMAS HOLLOWAY. 533, Oxford Street (late 344, Strand) London, W. C., October 1, 1871. June 5 6 m

BOOTS & SHOES.

THE Subscriber has just received a well assorted stock of MEN'S LEVANT SEAL SHOES MEN'S PATENT LEATHER SHOES MEN'S FRENCH CALF SHOES

And a general assortment of Men's Walking Boots, of the best English and Local Manufacture. Also, a good assortment of Ladies, Misses and Children's Boots, Shoes & Slippers.

From the best English, American and Local Houses. TRUNKS & VALISES in every variety, and at all Prices, always on hand.

CHARLES L. WELLS, 93 Barrington St. (Nearly opposite Union Pro. Comp's. Hall.) July 24 rep. rec

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. May 17.

Hats and Caps. WE have now on hand a full Stock of all kinds, including the NEWEST STYLES, 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 Conformation Measures, without extra charge. EVERETT BROTHERS, 106 Granville St. May 3.

99 GRANVILLE STREET 99

AUTUMN MILLINERY AND FANCY GOODS!

We are already in receipt of a large portion of our Autumn Stock of Flowers, Feathers, Frames, Ribbons, and other FANCY GOODS, to which we respectfully invite the attention of both Retail and Wholesale buyers

Balance to arrive in a few days. SMITH BROS. Sept 25.

PROSPECTUS OF THE CARBOLINE GAS LIGHT COMPANY.

Incorporated by Act of Parliament, May, 1872.

CAPITAL . . . \$100,000.

PORVISIONAL DIRECTORS:

J. TAYLOR WOOD, Esq. C. F. DEWOLFE, Esq. R. C. HAMILTON, Esq. W. M. LAWSON, Esq. THOS. SIMMONDS, Esq., M. D.

MANAGER.

THOS. SIMMONDS, Esq., M. D.

GAS ENGINEER.

JOSHUA KIDD, Esq., C. E.

This Company is being formed for the following purposes: 1st. The manufacture and introduction of Gas Machines for public and private use

2nd. The establishing of Works for the supply and manufacture of Fixed Gas in every town and village in this Province where Gas Works do not exist.

3rd. The manufacture of the materials used in the above processes. The inventions and processes referred to are secured by Letters Patent to O. C. HERBERT of this city.

The present proprietors are in daily receipt of applications from all parts of the Province for constructing and supplying their apparatus, and as good, safe, and cheap light is the want of the people, we have every reason to believe that this undertaking will prove largely remunerative.

Daily exhibition of this Gas at the Company's Office, head of Barse's Wharf, Upper Water Street, from 11 A. M. to 5 P. M. The Stock list will be open for subscription at the Company's Office, on and after 1st July, ensuing. Halifax, N. S., 27th June, 1872. July 3.

ST. GEORGE'S DRUG STORE.

THE SUBSCRIBER begs to announce that his Stock is now complete, and invites attention to the following list of Household requisites:—

Adam's Furniture Polish, Oakley's Silver Smith Soap, Oakley's Knife Powder, Oakley's Wellington Black Lead, The Marble Renovator, the Marble Champion Plate Polish, Carbolic Disinfecting Soap.

is adapted for use in households for disinfecting and cleansing purposes, as well as for the destruction of Bugs, Fleas and all Insects. For Nurseries it is invaluable, removing all unpleasantness in the washing of infant's clothing. Schweitzer's COCOATINE, ANTI-DYSPEPTIC COCOA and CHOCOLATE POWDER.

A choice assortment of PERFUMERY.

Floral Cosmetic Soap, in all the favorite perfumes. Doubled-vented Chinese Musk Soap, Perfumed Sand Tablets, Sulphur do., Fuller's Earth, do. Pumice Stone do.

THE CELEBRATED BABY SOAP.

A large assortment of Tooth, Hair and Nail Brushes, Combs, &c. C. H. HEPWORTH, 25 George Street. July 10.

Notice.

IMMIGRANTS will in future be carried on the Government Railways in Nova Scotia and New Brunswick at the rate of ONE and a QUARTER CENTS per mile. All baggage over 100 lbs. to be charged extra. Signed, E. CLAY, Immigration Agent. Sept. 18.

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 5 cents or 25.00 per 100.

THE CHRISTIAN MESSENGER

is published every WEDNESDAY. Terms—Two DOLLARS a year, when paid in advance; if payment is delayed over three months \$2.25 when over six months \$2.50. Subscribers beyond the Dominion of Canada, must send in addition to the above, 25 cents a year for prepayment of postage.

ADVERTISING at usual rates. STEPHEN SELDEN, Proprietor. Office No. 71 GRANVILLE STREET, HALIFAX, N. S.

PRINTING of Books, Pamphlets, Cards, Handbills, Blank forms, &c., &c., on reasonable terms. Magistrates Blanks always on hand.