

Agriculture.

PLOWING.—Spring is the time to plow sandy soils. If plowed in the autumn the repeated freezings and thawings of winter will so loosen and lighten them as to be easily drifted and injured by freshets, whereas it is desirable to fall-plow heavy clays which are rendered friable by the freezings and thawings of winter.

MANY farmers fear that to subsoil plow sandy soil would be to loose, by leaching all the manure they apply, forgetting that even a very slight percentage of clay or carbonaceous matter is sufficient to absorb and retain manures till used by plants; for if it were not so there would be few wells the water of which would be fit to drink. The fact is that sandy soils, as a rule, are greatly benefited by subsoil plowing.

PUMKIN BUTTER.—Wash the pumpkin clean, take out the seeds, scrape the inside out with a strong iron spoon. Boil till soft, and rub through a coarse sieve. When strained, put into a kettle and boil slowly all day, stirring it often. Put in a large handful of salt. When nearly done, add a pint of molasses, or a pound of brown sugar to each gallon of pumpkin. Before it is quite done, add allspice, cinnamon, ginger, and nutmeg, one or all, as you may fancy. Put into jars when done.—Large ones are the best. Tie it up tightly, and it will keep until April or May, in a cold place, if you scald it when Spring comes on. It is a good sauce for table use, and is always ready for pies, with the usual addition of eggs and milk. It is much less trouble and far better than "dried pumpkin."

THE WHEAT FIELDS OF MINNESOTA.

A correspondent riding through Minnesota describes the wheat fields of that State in terms which will cause a glow of envy among the farmers of the eastern part of this Continent: The great feature of this ride is in the view it affords of the wheat fields of Minnesota. One is overcome with wonder and admiration at their extent and fertility. For the entire two hundred miles of the route, we were never out of sight of them, and most of the time they seemed to extend for twenty miles on each side of the railway. The scene is one to be viewed with constantly increasing amazement, and with never-flagging interest. The grain was reaped and stacked in the fields, and the threshing process was going on as we passed through this section. Barns are seldom seen here and houses are so diminutive as to frequently almost escape the eye.—The threshing machine is backed up to the stacks, ten horses at once are put to it, and the grain separated from the straw with astonishing celerity. The straw is then burned in the fields in most cases, though, if it had been in Boston last winter, it would have brought forty dollars a ton. It is only in the way here, and manure is equally useless. Wheat is almost the sole crop of the agriculture of Minnesota. What grass is used is cut wild from the prairies. The virgin land is all turned over for wheat, and no such thing as rotation of crops is thought of. There must be an end of this in time, but people estimate that they can drain from the soil in the same way for fifteen years after a beginning is made. Its fertility is, to their view, practically inexhaustible.

THE DIFFERENCE BETWEEN GRADES AND CROSSES.

—We have seen in several semi-agricultural papers a disposition to confuse the two terms "grade" and "cross". These two, however, should by no means be indiscriminately adopted in many various classes of cattle.

A "cross" is indeed in one sense a thoroughbred, for sire and dam are in this case both thoroughbred, for instance the calf of a thoroughbred short-horn, by a thoroughbred Ayrshire is a "cross bred" animal, and en passant we may say by no means a bad cross either.

While the calf of the native cow with a thoroughbred sire is strictly a grade approaching according to the number of crossings, it takes three to make a thoroughbred entitled so to be registered in the "herd book."

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 tallow-soaps, and not to harden them, as is supposed.

Scientific.

MY AQUARIUMS.

My first attempt at an aquarium was to keep nineteen minnows in a large bowl on my window-sill. I took a world of comfort with them; they got very tame, and would eat crumbs of bread from my fingers, but they had a trick of flopping out of the bowl, and almost every morning I would find one or more of my pets dead or dying on the floor. So finally I gave what remained of them to my little brother for his pond.

A while after, when at a picnic, I found a little pond swarming with newts. With the help of the other girls, and two tin pails, I caught sixteen carried them home through a thunder-shower, and put them in a large wash-bowl half full of water, with a shell in it big enough for them to crawl on; as newts, after they lose their gills, cannot live unless they come out of the water to breathe. I covered the bowl with two panes of glass, leaving a little crack between them for air, and put two stones on the glass to keep it in place.

The next morning I was somewhat alarmed to find that they had all shed their skins during the night, and were eating them. I thought they must be nearly starved, and hastened to get them some angle-worms. If you have never seen newts eat you can have no idea what rags they are. They will snap at anything they see move. Two often get hold of the same worm, and neither let go, but both will pull rolling over and over till the poor worm breaks in two.

I put my newtery out of doors under an apple-tree and left it there all summer. Every morning I fed the newts and changed the water. One died, but the rest grew very fat. Every time they changed their skins, which was about once a week, their colors got brighter; and they grew so tame that when I put my hand in the water they would crawl upon it, and act as if they liked to be handled,—all but one, which seemed to have a different disposition from the others, and would snap at me when I tried to make friends with him.

I should probably have had them now, if the glass had not been accidentally broken by an apple falling upon it. When I discovered it, some hours later the little good-for-nothings had taken French leave of me forever.

Last fall we were going to have a little company, and I wanted something to interest our guests, so I got a large plain glass tumbler, covered the bottom with fine sand, put in a few small bright shells and filled it with clear spring water. Then I put in two baby newts that had just been given me, a water snail, a polliwig, two or three small minnows, and half a dozen fresh water clams beautiful little white things about a quarter as large as your nail. My miniature aquarium attracted a great deal of attention, and all seemed more interested in it than in one another.

At Christmas I had a present of a beautiful glass globe, and I looked forward with much pleasure to filling it this summer.—Our Young Folks.

A TOAD UNDRESSING.

—Audubon relates that he once saw a toad undress himself. He commenced by pressing his elbows hard against his sides, and rubbing downwards. After a few smart rubs his hide began to burst open along his back. He kept rubbing until he worked all his skins into folds on his sides and hips; then grasping one hind leg with his hands, he hauled off one leg of his pants the same as anybody would; then stripped off the other hind leg in the same way. He then took his cast off skin forward between his fore legs into his mouth and swallowed it; then by raising and lowering his head, swallowing as his head came down, he stripped off his skin underneath, until it came to his fore-legs then grasping one of those with the opposite hand, by a single hand, by a single motion of the head, and while swallowing, he drew it from the neck and swallowed the whole.

There are four kinds of pride of which we should beware: Race pride, pride in our ancestors. Face pride, pride in our beauty. Place pride, pride in our position. Grace pride, pride in our religion.—Rev. J. Bolton.

He that bath pity on the poor, lendeth to the Lord; and that which he bath given he will pay him again.—Solomon.

HALIFAX, N.S., NOVEMBER 6, 1872.

THE MESSENGER ALMANACK.

NOVEMBER, 1872.
New Moon, Nov. 1st, 1h. 14m. morning.
First Quarter, " 7th, 1h. 57m. afternoon.
Full Moon, " 16th, 9h. 54m. morning.
Last Quarter, " 23rd, 1h. 31m. morning.
New Moon, " 30th, 2h. 20m. afternoon.

Table with columns: Day, SUN. Rises, Sets, MOON. Rises, Sets, High Tide. Rows for Nov 1st to 30th.

THE TIDES.—The time of the Moon's Southings gives the time of high water at Pictou, 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 36 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.

NOVA SCOTIA
Boot & Shoe Factory

23 & 25 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.

and having secured a STAFF OF SUPERIOR ARTIZANS, he is now in a position to meet the demands of his Customers.

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.

Fall Stock.
Every Department now complete.

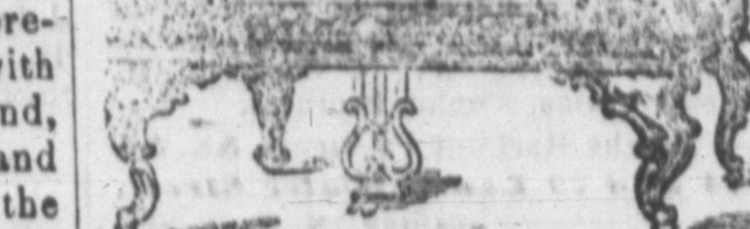
Goods sold at Lowest Current Rates, on Favorable Terms.

A splendid assortment
TWEEDS, DOESKINS & CLOTHS.

Clouds and Knitted Goods
in great variety.

JOB LOTS
in several Wholesale Departments much under value.

Clothing from the best London Houses.
W. & C. SILVER.
W. N. SILVER.
Oct 9



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.
W. M. FRASER & SONS,
June 1. 70 & 72 Barrington St.

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. I regret to say that I have reason to know that the management of the late business had for some years, and in many ways, been most corrupt, and it may be that the Pills and Ointment were not prepared with that care I have always desired.

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, and in no other part of the world. The retail price are on the labels in British currency, and not in dollars and cents.

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 whole sale prices in quantities of not less than £20 worth—viz., 8s. 6d., 22s., and 34s. per dozen boxes of pills or pots of Ointment, nett, without discount, for which remittance must be sent in advance.

I have the honour to be,
With great respect,
THOMAS HOLLOWAY.

553, Oxford Street (late 244, 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 French Houses.

TRUNKS & VALISES in every variety, and at all Prices, always on hand.

CHARLES L. WEEKS.
93 Barrington St.
(Nearly opposite Union Pro. Compny's. Hall)
July 24
re. rec

British American Book and Tract Depository.

69 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: Title, Price. Postage. Rows include Personal Religion, You Will Consider it, Boardman's, \$0.25 \$0.06, God's Way of Peace, Bonar, 0.25 0.07, Pilgrim's Progress, Bunyan, 0.25 0.07, Way of Life, Hodges, 0.25 0.07, Guide for Young Disciples, Pike, 0.25 0.08, Saints' Rest, Baxter, 0.25 0.09, Golden Treasury, Bogatzky, 0.25 0.07, Rise and Progress of Religion in the Soul, Doddridge, 0.20 0.09, Early Religion, Pike, 0.20 0.04, Early Piety, Pike, 0.20 0.04, Call to the Unconverted, Baster, 0.15 0.03, Sinners Inquirer, James, 0.15 0.06, Blood of Jesus, 0.20 0.06, Christian Hero: Life of Robert Annan, 0.20 0.04, Come to Jesus, by Newman Hall, 64 pages, two cents, The Sinner's Friend, by John Vine Hall, two cents, Postage on the two last at the rate of 8 cents for 12 copies.

Orders to be sent to
A. McBEAN, Secty.
July 31.

PROSPECTUS OF THE
CARBOLINE
GAS LIGHT COMPANY.

Incorporated by Act of Parliament, May, 1872.
CAPITAL . . . \$100,000.

PROVISIONAL DIRECTORS:
J. TAYLOR WOOD, Esq.
C. F. DEWOLFE, Esq.
R. C. HAMILTON, Esq.
WM. 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 Barras 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.

S. 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 COCOATE, ANTI-DYSPEPTIC COCOA and CHOCOLATE POWDER
A choice assortment of

PERFUMERY.
Floral Cosmetic Soap, in all the favorite perfumes. Doubled-scented Chinese Musk soap. Perfumed Sand Tablets, Sulphur do, Fuller's Earth, do. Pounce Stone do.
THE CELEBRATED BABY SOAP.
A large assortment of Tooth, Hair and Nail Brushes, Combs, &c.
C. H. HEFORTH,
35 George Street.
July 10.

THE CHRISTIAN MESSENGER

Is published every WEDNESDAY. Terms—Two DOLLARS a year, when paid in advance; if payment is delayed over three months the \$2.25 when over six months \$2.50. Subscribers beyond the Dominion of Canada, must send in addition to the above, 20 cents a year for prepayment of postage.

ADVERTISING at usual rates.
STEPHEN SELDEN, Proprietor.
OFFICE NO. 71 GRANVILLE SQUARE,
HALIFAX, N. S.

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