

Agriculture.

WHY TIMBER IS PAINTED.

When water is applied to the smooth surface of timber, a thin layer of the wood will be raised above its natural position by the expansion or swelling of the particles near the surface. In colloquial phrase, workmen say that when water is supplied to a smooth board, the grain of the timber will be raised. Every successive wetting will raise the grain more and more; and the water will dissolve and wash away the soluble portions with which it comes in contact. As the surface dries, the grain of the timber at the surface, having been reduced in bulk, must necessarily shrink to such an extent as to produce cracks. Now, if a piece of oil-cloth be pasted over the surface, the timber will be quite dry. Consequently the grain of the wood will not be subjected to the alternate influences of wet and heat. As it is not practicable to apply oil-cloth ready made, a liquid or semi-liquid material is employed for covering the surface, which will adhere firmly, and serve the purpose of oil-cloth in excluding water that would otherwise enter, to the injury of the work. Metallic substances are painted to prevent oxidation or rusting of the surfaces which may be exposed to moisture.

It is of primary importance to make use of such materials as will form over the surface a smooth and tenacious pellicle, impervious to water. Any material that will not exclude water sufficiently to prevent the expansion of the grain of the timber, or the oxidation of metallic substances, must be comparatively worthless for paint. Linseed oil possesses the property of drying when spread on a surface, and forming a tenacious covering, impervious to water. Spirits of turpentine, benzine, benzole, and certain kinds of lubricating oil, all of which are frequently used in preparing paint, will not form a covering sufficiently tough and hard to resist the action of water; for which reason the paint that is made by employing these volatile materials will be found comparatively worthless for outside work. A pigment is mingled with the oil to prevent the timber to which the paint is applied from absorbing the oil. The design is not to saturate the wood with oil, but simply to cover the surface with a coating resembling a thin oil-cloth.—Manufacturer and Builder.

INSECTS IN THE GARDEN.

Insects, bugs and worms will soon begin to trouble our garden vegetables, and our readers may wish to know how to destroy them. Carbonic Acid Soap Water is excellent. No insect can stand either carbonic acid or oil. Sprinkle the solution well over the vegetables or bushes. Fine Flour of Bone or Bone Float has also been used with success in repelling squash bugs from the vines. A lady destroyed the insects which infested her rose bushes by the use of quassia, and states that it also proved to be a fertilizer—the plants thriving much better after it had been applied than before. In the report of Alton (Ill.) Horticultural Society quassia is recommended for destroying black and green insects in cherries. Quassia may be found in any druggist's establishment. Use two ounces to a gallon of water; boil fifteen or twenty minutes. It will also be found effective in destroying many kinds of insects which infest the flower garden.

HOGS WANT SULPHUR.

Whether hogs require sulphur as an essential to their health, or whether it is sought by them as a condiment, may not be known for certainty. But one thing is sure, they devour it with greed wherever it is to be found. It is for this purpose, probably, that they eat large quantities of soft coal, which contains a large amount of sulphur. Perhaps this is the most economical method of supplying hogs with sulphur during the winter, when they require a good deal of carbon. But in the summer it is better to feed it to them in substances which contain less carbon, on account of their producing less heat.—Mustard is one of the best things for this purpose, and on that account some of it should be sown in every pasture into which hogs are turned. If hogs are kept up, or are in small yards, it is well to supply them with the wild mustard that grows in the fields or highways, or to cultivate some of the better varieties for them. They will eat its leaves, flowers, seeds and stalks.—Prairie Farmer.

MESSENGER ALMANACK.

June, 1870.

Table with columns for Day, Sun, Moon, High Tide, and Low Tide. Rows list days from 1st to 30th of June.

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 30 minutes later than at Halifax. At Annapolis, St. John, N. B., and Portland Maine, 3 hours and 44 minutes later, and at St. John's, Newfoundland, 1 hour 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.

GREAT CLOSING SALE OF English and American BOOTS AND SHOES!

THE Subscriber will offer from this date the balance on hand of the above mentioned Goods at REDUCED PRICES. And will continue the sale until the whole is disposed of.

WHOLESALE BUYERS Will find in this STOCK, some Very Cheap Job Lots.

TERMS CASH.

GEORGE S. YATES.

22 & 23 George Street N. B.—This Stock has no reference to Home Manufactured Goods. Feb. 3.

FOR SALE.

A Farm containing 300 acres consisting of 40 or 50 acres of land, partly upland, and partly intervals cleared and in a good state of cultivation. About twenty acres of intervals and first-rate arable ground to clear situate on the banks of Stewiacke River, with a good Brook running through the intervals, about ten Rods from the House. The rest of the land is good woodland with a fine chance improvement.

There is good Dwelling House, a large Out-house, a very large Barn 60 feet long, and in prime order. A lever falling well inside the House, and a thriving Orchard consisting of Apple and Plum trees near the House, pleasantly situated.

The terms of sale made easy. For further particulars apply to

Jas. E. Scott, Brookfield, Colchester Co. This is a splendid change for an industrious man. The property is situated in the thriving settlement of Middle Stewiacke, 9 miles from Brookfield Railway Station. April 6. 3m.

Just Published.

A SELECTION OF HYMNS AND SPIRITUAL SONGS, FOR USE IN Public Worship AND SOCIAL MEETINGS.

Price 12 1/2 cents; or if sent by mail 4 cents additional per copy. \$10.00 per 100 copies.

S. SELDEN, 59 GRANVILLE STREET, Halifax, N. S.

A! B!! C!!!

Asthma, Bronchitis, Consumption, Coughs, Colds, Scrofula, &c., &c.

REV EDWARD A. WILSON'S remedy or the permanent cure of the above complaints, may be had GENUINE from H. A. TAYLOR, 11 Barrington Street Druggist, Halifax, who is sole Agent for Nova Scotia.

The Pamphlet containing the Receipt, with certificates, &c., will be mailed to any part of the Dominion on receipt of a three cent stamp. The Medicine—sufficient for three or four weeks—price Three Dollars per package, or forwarded Free to any address for 5.12 1/2 by Parcel Post. Address HENRY A. TAYLOR, No. 53 Barrington Street, Halifax. Feb. 23 4m.

NEW MUSIC BOOKS.

Advertisement for 'THE VOCALIST' music book, featuring musical notation and text: 'I know I should not steal nor use the smallest thing I see. Which I should not like to lose if it belonged to me. The above beautiful melody is from "THE UNION CHIMES," a new and superior collection of Hymns and Tunes of 150 pages, designed for the Sabbath School, Prayer Meeting, and the Social Circle, by G. W. Linton. Price, \$2.25 per dozen. Single copy, 25 cents.'

Advertisement for 'LINTON'S INDUCTIVE METHOD' music book: 'Containing 315 Tunes, Anthems, and Chants. Also 17 Chapters on music, with questions and answers: Articulation, Verbiage, Pronunciation, Time, Accent, Chanting, and the use of the Training Fork, by G. W. Linton. Price, \$1 per dozen. Single copy, 75 cents.'

Advertisement for 'THE PROVINCIAL MELODIST' music book: 'A NEW COLLECTION OF 202 Hymns and 82 Tunes, suitable for Sabbath Schools, Prayer Meetings and the Social Circle. Price 20 cents each, or \$2.00 per dozen. "CHRISTIAN MESSENGER" OFFICE, 59 GRANVILLE STREET, HALIFAX, Aug. 12.'

Advertisement for 'WRIGHT'S Patent Sectional Spring Bed': 'THE Subscribers having been appointed Sole Agent in the Province for the sale of this article, recommend it as being the easiest and most comfortable to rest upon, and together with its durability, and the facility with which it can be taken apart and cleaned, they feel certain that it will be found to be a most convenient article. GORDON & KEITH, May 20.'

Advertisement for 'LADIES' medicine: 'LADIES, (representing all societies, classes and ages) Clergymen, Lawyers, Editors, Physicians, Merchants, Vocalists, and indeed representatives from all orders, and from every business pursuit, have been benefited or cured by FELLOW'S COMPOUND SYRUP OF HYPOPHOSPHITES. Amongst the diseases overcome by the use of this remedy, are the following:—Chronic Constipation, Chronic Dyspepsia, Chronic Asthma, Chronic Bronchitis, Chronic Consumption, Chronic Paralysis, Chronic Laryngitis, Chronic Diarrhea, Nervous Debility, Melancholy, Debility resulting from typhoid and other low fevers, Diphtheritic Prostration, Hysteria, Hypochondria, Amenorrhoea, Chlorosis, Anemia Leucorrhoea, Nervous Excitability, Merasmus, or Wasting of the Muscles, Aphonia, or Loss of Voice, Amaurosis, or Loss of Vision, Chorea, or St. Vitus' dance, Sluggishness of the Liver, Interrupted and feeble Action of the Heart, Suffocating Feelings, Dashed by mucous obstructions of the Lungs and Air Passages leading thereto, and Debility from various causes, many of which appeared hopeless. For sale by Apothecaries at \$1.50 per Bottle, or of 7.50. Oct. 28. cow.

Advertisement for 'AYER'S Cathartic Pills': 'For the purposes of a Laxative. Perhaps no one medicine is so universally required by everybody as a cathartic, nor was ever any before so universally adopted into use, in every country and among all classes, as this mild but efficient, purgative pill. The obvious reason is, that it is a more reliable and far more effective remedy than any other. Those who have tried it, know that it cured them; those who have not, know that it cures their neighbors and friends, and all know that what it does once it does always, and it never fails, through any fault or neglect of its constitution. We have thousands upon thousands of certificates of their remarkable cures of the following complaints, but such cures are known in every neighborhood, and we need not publish them. Adapted to all ages and conditions in all climates; containing neither calomel or any deleterious drug, they may be taken with safety by any body. Their sugar coating preserves them ever fresh and makes them pleasant to take, while being purely vegetable no harm can arise from their use in any quantity. They operate by their powerful influence on the internal viscera to purify the blood and stimulate it into healthy action—remove the obstructions of the stomach, bowels, liver, and other organs of the body, restoring their irregular action to health, and by carrying, wherever they exist, such derangements as are the first origin of disease. Minute directions are given in the wrapper on the box, for the following complaints, which these Pills rapidly cure:—For Dyspepsia or Indigestion, Listlessness, Languor and Loss of Appetite, they should be taken moderately to stimulate the stomach and restore its healthy tone and action. For Liver Complaint and its various symptoms, Bilious Headache, Sick Headache, Jaundice or Green Sickness, Bilious Colic and Bilious Fevers, they should be judiciously taken for each case, to correct the diseased action or remove the obstructions which cause it. For Dysentery or Diarrhoea, but one mild dose is generally required. For Rheumatism, Gout, Gravel, Palpitation of the Heart, Pain in the Side, Back and Loins, they should be continuously taken, as required, to change the diseased action of the system. With such change those complaints disappear. For Dropsy and Dropsical Swellings they should be taken in large and frequent doses to produce the effect of a drastic purge. For Suppression a large dose should be taken as it produces the desired effect by sympathy. As a Diarrhoeic Pill, taken one or two Pills to promote digestion and relieve the stomach. An occasional dose stimulates the stomach and bowels into healthy action, restores the appetite, and invigorates the system. Hence it is often advantageous where no serious derangement exists. One who feels tolerably well, often finds that a dose of these Pills makes him feel decidedly better, from their cleansing and renovating effect on the digestive apparatus. DR. J. C. AYER & CO., Practical Chemists, LOWELL, MASS., U. S. A.

Co-Partnership Notice.

THE Subscribers have this day formed a Co-Partnership for the transaction of a General Importing and Commission Business, under the Name and Firm of VAUX, WEST & CO. Will open early in May next, at Granite Warehouse, (known as "Acadia Corner,") opposite H. M. Ordnance. C. C. VAUX, W. E. WEST.

Advertisement for 'LIFE IN A PILL BOX' medicine: 'EXTRAORDINARY EFFECTS FROM MAGGIEL'S ANTI-BILIOUS PILLS. ONE PILL IN A DOSE. ONE PILL IN A DOSE. ONE PILL IN A DOSE.'

WHAT ONE HUNDRED LETTERS a-day say from patients all over the habitable globe: 'Dr. Maggiel, your pill had rid me of all biliousness.' 'No more noxious doses for me in five or ten pill taken at one time. One of your pills cured me.' 'Thanks, Doctor. My headache has left me. Send another box to keep in the house.' 'After suffering torture from bilious cholera, two of your pills cured me, and I have no return of the malady.' 'Our doctors treated me for Chronic Constipation, as they called it, and at last said I was incurable. Your Maggiel's Pills cured me.' 'I had no appetite; Maggiel's Pills gave me a hearty one.' 'Your pills are marvellous.'

Advertisement for 'MAGGIEL'S PILLS FOR ALL DISEASES OF THE KIDNEYS RETENTION OF URINE &c. MAGGIEL'S PILLS! Are a perfect cure. One will satisfy anyone. FOR FEMALE DISEASES, Nervous Prostration, Weakness, General Lassitude and Want of Appetite, MAGGIEL'S PILLS Will be found an effectual remedy. MAGGIEL'S PILLS AND SALVE Are almost universal in their effects, and a cure can be almost guaranteed. Each Box Contains Twelve Pills—One Pill in a Dose.'

'COUNTERFEITS!—Buy no Maggiel Pills or Salve with a little pamphlet inside the box. They are bogus. The genuine have the name of J. Maggiel on the box, with the name of J. Maggiel, M. D. The genuine have the Pill surrounded with white powder.' Sold by all respectable dealers in medicines throughout the United States and Canada, at TWENTY-FIVE CENTS A BOX OR POT. All orders for the United States must be addressed to J. HAYDOCK, No. 11, Pine Street, New York. Patients can write freely about their complaints an reply will be returned by the following mail. Write for 'Maggiel's Treatment of diseases. AYER & BROWN, HALIFAX, General Agents, May 27. ly

Advertisement for 'A SCRIPTURE CATECHISM, for the Family, the Bible Class, and the Sabbath School, BY S. SELDEN. Price 8 cents or \$6.00 per 100.'

Advertisement for 'THE "CHRISTIAN MESSENGER" 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, five cents per quarter, for prepayment of postage.'

Table with columns for Rates of Advertising: 1 wk., 1 mth., 3 mth., 6 mth., 1 yr. Rows show prices for 1 square (14 inches) and 1 column.

STEPHEN SELDEN, Proprietor. Office No. 59 GRANVILLE STREET, HALIFAX, N. S. PRINTING of Books, Pamphlets, Cards, Handbills, Blank forms &c., &c., on reasonable terms. Magistrates Blanks always on hand.