

Agriculture, &c.

SHOULD STUBBLE BE BURNED OR PLOUGHED UNDER?

This is a question which we often hear discussed with considerable earnestness, and so far as we have observed, the disputants are pretty equally divided. A superficial consideration of the subject would certainly lead one to believe that ploughing stubble under is greatly to be preferred to burning it.

That any considerable quantity of the stubble of ripe grain finds its way into the next crop that is raised on the field, no one will pretend to argue. Thoroughly ripened straw undergoes a very slow decomposition, unless it is exposed to the combined action of heat and moisture; and experience demonstrates that straw—particularly wheat straw—will often remain in the soil for a whole season with its form preserved entire, and its appearance scarcely changed except by the absorption of water.

Now let us consider briefly the disadvantageous form in which the mineral salts are returned to the soil in the process of turning under. They are in the form of organized matter, and must wait until this organism is entirely destroyed before they can be resuscitated into living forms.

Now let us see how burning affects the stubble with a view of making it available as manure for a future crop. The popular idea is that substances are destroyed by the action of flame, but such is not the case. Rot and fire accomplish exactly the same end in changing vegetable substances; but the one effects in a moment what it will require the other years to perform.

Ploughing stubble under may produce some very mechanical good on certain soils, that are very clayey or are apt to run together and form a coherent mass; but in the great majority of cases, stubble leaves the soil quite too porous, and there are few instances where it is not advisable to roll stubble before ploughing it, in order to close up, if possible, the cavity of the stalks.

fore ploughing it, in order to close up, if possible, the cavity of the stalks. This loosening of the soils of clayey land is perhaps the only argument, if we except the retention of the carbon, that can be advanced in favour of ploughing stubble under. To offset this we have the additional expense of rolling the land, and the great disadvantage of the stubble interfering with the movement of the plough and the turning of the furrow.

But even in the case of clay lands the argument is with the fire. Nothing renders clay so available for agricultural purposes as heat. It tends to pulverize it and at the same time to render the silica soluble, and in a condition to unite with potash and soda: Every vine dresser knows, that there are few better substances to apply to either a vineyard or a field than pulverized brick.

But besides the chemical argument in favour of burning stubble, there are others which are equally forcible. Fire has always been spoken of as a purifier, and in no place is it so efficient as in a stubble field. The seeds of the tares which have grown along with the wheat till the time of the harvest, are, in a great measure, destroyed by the fire that consumed the stubble, and the same is true to an equally great extent of the eggs and larvæ of insects.—Prærie Farmer.

MESSSENGER ALMANACK.

From October 2nd, to November 13th, 1869. New Moon, November 3rd, 7 21 Afternoon. First Quarter, " 10th, 10 41 Afternoon. Full Moon, " 19th, 3 3 Morning. Last Quarter, " 26th, 2 0 Afternoon.

Table with 10 columns: Day, SUN., MOON., HIGH WATER AT. It lists times for sunrise, sunset, moonrise, moonset, high water at Pictou, Annapolis, and Windsor.

For the time of HIGH WATER at Pictou Pughwash, Wallce and Yarmouth add 2 hours to the time at Halifax. For HIGH WATER at Annapolis, Digby, &c. and at St. John, N. B., add 3 hours to the time at Halifax.

The British American Book and Tract Society.

Have on hand a large and varied assortment of SABBATH SCHOOL, STANDARD RELIGIOUS AND THEOLOGICAL BOOKS, Bibles, Illustrated Papers and other Periodicals for S. Schools and Families, Tracts, Children's Tracts, Illustrated Reward Cards, &c. &c.

Valuable Helps for S. School Superintendents and Teachers.

Comprising the best Commentaries, Pardee's S. S. Index Bible Dictionaries and Atlas, Mairia's Gospel Treasury, Maps of Palestine and Paul's Travels, The S. S. Times, Superintendents' Record and Teachers Class Books.

Boarding House.

The Subscribers beg to say they have removed from No. 93 Cornwallis St., to that new and pleasantly situated house, No. 12 JACOB STREET.

WINDSOR HOUSE, HALIFAX, N. S.

Mrs. CAMPBELL BACON, Proprietress. July 14. 3m.

LIFE IN A PILL BOX.

MAGGIEL'S ANTI-BILIOUS PILLS.

ONE PILL IN A DOSE. ONE PILL IN A DOSE. ONE PILL IN A DOSE.

WHAT ONE HUNDRED LETTERS 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 pills taken at one time. One of your pills cured me.'

FOR ALL DISEASES OF THE KIDNEYS

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, M.D. on the box, with the name of J. Maggiel, M.D. The genuine have the Pill surrounded with white powder.'

TO LET.

FOR a period of one or more years, from the first day of October next, that pleasantly situated Dwelling house and premises, at Bridgetown in the County of Annapolis, formerly owned and occupied by the late Thomas Spurr, and now belonging to the Estate of the late T. Lovett Bishop.

J. C. DUMARESQ, ARCHITECT.

PLANS and Specifications of Public Buildings Dwelling houses, Bridges, Fences, &c., drawn to order. Also, Writings of Agreement between employers, employees, contractors, &c.

WRIGHT'S Patent Sectional Spring Bed!

THE Subscribers having been appointed Sole Agents 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.

LADIES, (representing all societies, classes and ages) Clergymen, Physicians, Lawyers, Merchants, Editors, Vocalists, and from every business pursuit, have been benefited or cured by FELLOW'S COMPOUND SYRUP OF HYPO-PHOSPHITES.

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 Diarrhœa, Nervous Debility, Melancholy.

McEWAN & Co., Cabinet Makers, Upholsterers, and Bedding Manufacturers, 20 BARRINGTON STREET.

ASK the favour of a call to examine their stock. Iron Folding Bedsteads \$3.50, Cots 6.00, stump Bedsteads, brass vases and castors, 5.00, French ' ' from... 7.00, Patent Chair ' with cushions complete 12.00, RICH DISPLAY OF FLUORCLOTHS, newest patterns, best qualities, and lowest prices.

THE PROVINCIAL MELODIST.

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

MARBLE WORKS.

Corner of Sackville and Barrington Sts HALIFAX, N. S. George A. Sanford, MANUFACTURER AND DEALER IN Marble and Granite MONUMENTS, CHURCH TABLETS AND FONTS, HEAD STONES, FURNITURE AND BASIN TOPS, Marble and Slate Mantles, with Register Grates Complete, Marble Floor Tiling, Hearths and Jamb, &c. INSPECTION INVITED. Orders from the country promptly attended to. May 5. 6mt. is.

GREAT CLOSING SALE OF

English and American BOOTS AND SHOES! AT AND BELOW COST.

THE Subscriber will offer from this date the balance on hand of the above mentioned Goods at

DECIDED BARGAINS!

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

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, five cents per quarter, for prepayment of postage.

RATES OF ADVERTIZING.

Table with 6 columns: Payment in Advance, 1 wk., 1 mth., 3 mth., 6 mth., 1 yr. Rates 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.