

Agriculture.

ROOTS CROPS.

The object of growing roots is two-fold; first, to grow food for stock of a green succulent nature, such as is evidently needed by them to keep up their health and secure their being in a constantly thriving condition while confined to the stable and yard during the long winter season. The feeding of roots, even in very moderate quantity, to stock that are expected to turn hay and straw into manure, will prove of vastly more benefit to them in helping them to digest and assimilate their dry fodder, and also in giving them an appetite to eat, than is generally supposed; for it must be known that the more food we can get them to consume, where that food is not of too heating and stimulating a nature, the better they will thrive, and the more manure they will make.

Second, it is desirable in all cases not only to keep up, but to improve the productive capabilities of the soil, and in no cheaper and better way can this be done, than by growing roots on it. Roots require manure and good cultivation, while at the same time they may be grown so late in the season, after the rush of spring grain-seeding is over, that they are without question the most desirable crop to which barn-yard manure can be applied, and that too in a state that would prove positively injurious to most other crops. The benefit of the manure thus given tells on the succeeding grain and grass crops for several years afterwards, and where a proper system of rotation of crops is followed, the growing of roots must form the beginning and end of good farming, the first and last course in every rotation.

At the same time we think the cost of labour on the root crop might be considerably reduced without proportionately reducing the value of the crop. The system of culture followed is, in many instances, too slavishly copied from that of the farmer of Britain, where labour is so cheap that hand-hoeing can be almost exclusively employed and consequently the plants grown much closer together and of a more moderate size. Hand-hoeing is slow and laborious work, and should be avoided as much as possible; in fact, one thoroughly good hand-hoeing at the time of thinning out the crop ought to be all of that kind of labour required. But in order to cheapen the cost of labour in a root crop, we must have the rows wide enough apart to enable the soil to be constantly stirred by means of horse-power implements; and what is more, we need to have implements of such construction that the work of stirring the soil and keeping down weeds can be done expeditiously and thoroughly at the least possible cost for implements and labour. We believe that under proper management the ruta bagas crop need not and does not cost nearly so much to raise as is supposed or claimed by some writers, and that its value is greater, to the wide-awake farmer, than its actual selling price. Suppose we have a crop of 800 bushels of ruta bagas per acre, which should be the average of a good crop, we have 48,000 pounds of cattle food. Agricultural chemistry will have it that four-fifths, or even more, of this is nothing but water; even with this allowance, there is still 9,600 pounds, or very nearly five tons, of cattle food of the most solid and nutritious kind to the acre, and the land left in such good condition that grain and grass can be grown for four or five years afterwards without needing any heavy application of manure, while at the same time the soil has been cleaned of foul weeds and made mellow.—*Globe.*

It is never worth while to do unnecessary things. Never grease a fat sow, or praise a proud man. Don't make clothes for fishes, or coverings for altars. Don't point lilies, or garnish the Gospel. Never bind up a man's head before it is broken, or comfort a conscience that makes no confession. Never hold up a candle to show the sun, or try to prove a thing which nobody doubts. I would advise no one to attempt a thing which will cost more than it is worth. You may sweeten a dunghill with lavender water, and a bad-living man may keep up a good character by an outward show of religion, but it will turn out a losing business in the long run. If your nation were sensible, it would sweep out a good many expensive but useless people, who eat the malt which lies in the house that Jack built; they live on the national state, but do it little service.—*John Ploughman's Talk.*

MESSENGER ALMANACK.

July, 1870.

First Quarter, July 6th, 6h. 16m. morning.
Full Moon, " 12th, 6h. 21m. afternoon.
Last Quarter, " 20th, 10h. 2m. morning.
New Moon, " 28th, 7h. 4m. morning.

Day	SUN.	MOON.	High Tide
M/Wk.	Rises.	Sets.	at Halifax
1 F..	4 24	7 43	7 0
2 Sa..	4 24	7 43	8 11
3 Su..	4 25	7 43	9 21
4 M..	4 25	7 42	10 30
5 Tu..	4 26	7 42	11 41
6 W..	4 27	7 41	12 54
7 Th..	4 27	7 41	2 8
8 F..	4 28	7 41	3 22
9 Sa..	4 29	7 41	4 37
10 Su..	4 29	7 40	5 48
11 M..	4 30	7 40	6 55
12 Tu..	4 31	7 39	7 52
13 W..	4 32	7 38	8 39
14 Th..	4 33	7 38	9 19
15 F..	4 34	7 37	9 54
16 Sa..	4 34	7 36	10 27
17 Su..	4 35	7 36	10 57
18 M..	4 36	7 35	11 24
19 Tu..	4 37	7 34	11 53
20 W..	4 38	7 33	12 17
21 Th..	4 39	7 32	12 37
22 F..	4 40	7 31	1 0
23 Sa..	4 41	7 30	1 23
24 Su..	4 42	7 29	1 47
25 M..	4 43	7 28	2 12
26 Tu..	4 45	7 27	2 38
27 W..	4 46	7 26	3 05
28 Th..	4 47	7 25	3 34
29 F..	4 48	7 24	4 04
30 Sa..	4 49	7 23	4 35
31 Su..	4 50	7 22	5 07

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! AT AND BELOW COST.

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.

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

TERMS CASH.

GEORGE S. YATES.

N. B.—This Stock has no reference to Home Manufactured Goods.
Feb. 3.

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

There is good Dwelling House, a large Outhouse, a very large Barn 60 feet long, and in prime order. A never failing 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

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Feb. 23

4m.

NEW MUSIC BOOKS.

To do to others as I would that they should do to me.
(Will make me honest, kind and good, As children ought to be.)
I know I should not steal nor use The smallest thing I see,
Which I should never 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 100 pages, designed for the Sabbath School, Prayer Meeting, and the Social Circle, by G. W. Linton.
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Containing 313 Tunes, Anthems, and Chants. Also 17 Chapters on music, with questions and answers: Articulation, Verbiage, Pronunciation, Time, Accent, Chanting, and the use of the Tuning Fork, by G. W. Linton.
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202 Hymns and 82 Tunes,
suitable for Sabbath Schools, Prayer Meetings and the Social Circle.
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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.

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LADIES, (representing all associations, classes and ages)
Clergymen, Lawyers, Editors,
Physicians, Merchants, Vocalists,
and indeed representatives from all orders, and from every business pursuit, have been benefitted 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,
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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, Anaemia, Leucorrhoea, Nervous Excitability, Mercurial, or Watery, 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, Dues by mucous obstructions of the Lungs and Air Passages leading thereto, and Debility from various causes, many of which appeared hopeless.

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Oct. 28.

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Ayer's Hair Vigor, For restoring Gray Hair to its natural Vitality and Color.



A dressing which is at once agreeable, healthy, and effectual for preserving the hair. Faded or gray hair is soon restored to its original color with the gloss and freshness of youth. This hair is thickened, falling hair checked, and baldness often, though not always, cured by its use. Nothing can restore the hair where the follicles are destroyed, or the glands atrophied and decayed. But such as remain can be saved for usefulness by this application. Instead of fouling the hair with a pasty sediment, it will keep it clean and vigorous. Its occasional use will prevent the hair from turning gray or falling off, and consequently prevent baldness. Free from those deleterious substances which make some preparations dangerous and injurious to the hair, the Vigor can only benefit but not harm it. If wanted merely for a

HAIR DRESSING,

nothing else can be found so desirable. Containing neither oil nor dye, it does not soil white cambric, and yet lasts long on the hair, giving it a rich glossy lustre and a grateful perfume.

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WHAT ONE HUNDRED LETTERS
a-day say from patients all over the hab-table globe:

'Dr. Maggiel, your pill had rid me of all biliousness.'

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'I had no appetite; Maggiel's Pills gave me a hearty one.'

'Your pills are marvellous.'

'I send for another box, and keep them in the house.'

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'My nausea of a morning is now cured.'

'Your box of Maggiel's Pills cured me of noises in the head. I rubbed some Salve behind my ears and the noise left.'

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'I enclose a dollar—your price is twenty five cents, but the Medicine to me is worth a dollar.'

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'Let me have three boxes of your Salve and Pills by return mail.'

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