CHRISTIAN MESSENGER, JUNE 29, 1870. MESSENGER ALMANACK. Agriculture.

ROOTS CROPS.

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The object of growing roots is two-fold ; first, to grow food for stock of a groon 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

MESSENGER ALMANACK.	NEW MUSIC BOOKS.
July, 1870.	To do to others as I would That they should do to me, t
First Quarter, July 6th, 0h. 16m. morning. Full Moon, "12th, 6h. 21m. afternoon. Last Quarter, 20th, 10h. 2m. morning. New Moon, "28th, 7h. 4m. morning. \bigcirc Day SUN. MOON. High Tide M Wk. Rises. Sets. Rises South. Sets. at Halifax $1.F \dots 424 7 43 7 0 226 947 911$ 2 8a 424 7 43 811 318 1025 950 3 8U. 425 743 921 4 9 1057 10 33 4 M 425 742 10 30 459 11 28 11 18 5 Tu. 426 742 11 41 549 11 57 morning 6 W 427 742 A. 54 640 morn 40 9 7 Th 427 741 28 7 32 025 1 4 8 F 428 741 322 825 056 2 10 9 8a. 429 741 437 922 128 317 10 SU. 429 740 648 10 20 27 4 23 11 M 430 740 655 11 20 252 5 29 12 Tu 431 7 39 7 52 morn. 3 45 6 23 13 W 432 7 38 8 39 018 4 44 7 22 14 I'h 4 33 7 36 10 21 257 8 0 9 38 17 SU. 435 7 36 10 21 257 8 0 9 38 17 SU. 435 7 36 10 47 3 42 9 3 10 20 18 M 436 7 35 11 10 4 26 10 5 10 58 19 Tu. 437 7 34 11 33 5 8 11 6 11 40 20 W 438 7 38 1 57 549 A. 5 A. 19	Will make me houset, kind and good, As children ought to be. I I know I should not steal nor use The smallest thing I see, Which I should never like to lose If it belong'd to me. The above beautiful melody is from "THE UNION CHIMES a new and superior collection of Hymns and Tunes of 150 page designed for the Sabbath School, Prayer Meeting, and the Soci Circle, by G. W. Linton. Price, \$2.25 per dos. Bingle copy, 25 cents. THE VOCALIST. Containing 313 Tunes, Anthems, and Chants. Also I7 Cha ters on musio, with questions and answers : Articulation, Ver ficention, Pronunciation, Time, Accent, Chanting, and the u of the Tuning Fork, by G. W. Linton. Price, \$3 per dosen. Bingle copy, 75 cents. LINTON'S INDUCTIVE METHOD OR, Musical Analysis and Teacher's Manual Containing a complete course of lessons in vocal Music, with Black-board Exemplete course of lessons in vocal Music, with uside in Cassville Seminary. Price, 50 cents per copy. The above books may be obtained at the "CHR TIAN MESSENGER "OFFICE, 59 Granville Streen Halifax. April 1.
21 Th 4 39 7 32 morn 6 31 1 0 1 5 22 F 4 40 7 31 0 23 7 14 2 5 1 59 23 Sa 4 41 7 30 0 53 8 0 3 7 3 5 24 SU. 4 42 7 29 1 27 8 47 4 7 4 7 25 M 4 43 7 28 2 7 9 37 5 7 5 10 26 Tu 4 45 7 27 2 55 10 30 6 5 6 8 27 W 4 46 7 26 3 50 11 24 6 57 6 54 28 Th 4 47 7 25 4 52 A. 18 7 44 7 38 29 F 4 48 7 24 6 0 1 12 8 24 8 19 30 Sa 4 49 7 23 7 9 2 5 9 0 8 59 31 SU. 4 50 7 21 8 20 2 56 9 32 9 37 THE TIDES.—The column of the Moon's Southing gives the time of high water at Parrsboro', Corn- wallis, Horton, Hantsport, Windsor, Newport, and	THE PROVINCIAL MELODIST, A NEW COLLECTION OF 202 Hymns and 82 Tunes, suitable for Sabbath Schools, Prayer Meetings & the Social Circle. Price 20 cents each, or \$2.00 per dozen, "CHRISTIAN MESSENGER" OFFICE 59 GRANVILLE STREET, HALIP. Aug 12.
Traro. High water at Pictou and Cape Tormentine 2 hours and 30 minutes <i>later</i> than at Halifax. At Annapolis, St. John, N. B., and Portland Maine, 3	Patent Sectional Spring Bed THE Subscribers having been appointed Sole Age in the Province for the sale of this article, recomm

First Quarter, July 6th, 0h. 16m. morning. Full Moon, "12th, 6h. 21m. afternoon. Last Quarter, "20th, 10h. 2m. morning.	I know I should not steal nor use The smallest thing I see,	under th
New Moon, "28th, 7h. 4m. morning Day SUN. MOON. High Tid MWk. Rises. Sets. Rises South. Sets. at Halifan	Which I abould nev-or like to lose If it belong'd to me.	Will open early in M (known as "Acadia nance.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	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 dos. Bingle copy, 25 cents.	Halifax, April 20,
5 Tu. 4 26 7 42 11 41 5 49 11 57 mornin 6 W 4 27 7 42 A. 54 6 40 morn 40 9 7 Th. 4 27 7 41 2 8 7 32 0 25 1 4 8 F 4 28 7 41 3 22 8 25 0 56 2 10 9 Sa. 4 29 7 41 4 37 9 22 1 28 3 17	G Containing 313 Tunes, Anthems, and Chants. Also 17 Chap- ters on music, with questions and answers : Articulation, Versi- fication, Pronunciation, Time, Accent, Chanting, and the use of the Tuning Fork, by G. W. Linton. Price, \$5 per dosen. Single copy, 75 cents.	LIFE IN EXTRAOR
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17 SU. 4 35 7 36 10 47 3 42 9 3 10 20 18 M 4 36 7 35 11 10 4 26 10 5 10 58 19 Tu. 4 37 7 34 11 33 5 8 11 6 11 40 20 W 4 38 7 38 11.57 5 49 A. 5 A. 19 21 Th 4 39 7 32 morn 6 31 1 5 1 5	The above books may be obtained at the "CHRIS- TIAN MESSENGER" OFFICE, 59 Granville Street, Halifax. April 1.	ONE FILL IN A I ONE FILL I ONE F
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	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, HALIPAX,	WHAT ONE a-day say table globe : 'Dr. Maggiel, you ness,' 'No more noxious taken at one time. 'Thanks, Doctor. another box to keep
THE TIDES.—The column of the Moon's Southin gives the time of high water at Parrsboro', Corn wallis, Horton, Hantsport, Windsor, Newport, an Traro. High water at Pictou and Cape Tormentin 2 hours and 30 minutes <i>later</i> than at Halifax. A Annapolis, St. John, N. B., and Portland Maine, hours and 44 minutes <i>later</i> , and at St. John's, New foundland, 1 hour <i>earlier</i> , than at Halifax. For THE LENGTH OF THE DAY.—Add 12 hour to the time of the sun's setting, and from the sun subtract the time of rising. For THE LENGTH OF THE NIGHT.—Subtract	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 fa- cility with which it can be taken apart and cleaned, they feel certain that it will be found to be a most convenient article.	hearty one.' 'Your pills are m 'I send for anoth
the time of the sun's setting from 12 hours, and the remainder add the time of rising next morning GREAT CLOSING SALE OF English and American BOO'TS AND SHOES	ADIES, (representing all asocieties, classe	cholera morbus. The da 'My nausea of a 'Your box of Ma in the head. I rub and the noise left.'

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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 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 wideawake 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 atterwards 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 coast 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.

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