CHRISTIAN MESSENGER. THE

Agriculture.

WHEN TO TRANSPLANT TREES.

48

There is no doubt, that, ail things being equal, the spring is decidedly the best season in which to do the work. But the frost may remain in the ground till the middle of April. Following this may be a spell of wet weather, keeping the soil heavy and cold, and unfit to plant trees in, and thus the time be so shortened that the jub if done at all has to be done in a hurry, in which event many important minor matt rs are likely to be neglected. Better wait a whole year than run the risk of planting the trees in wet ground under any circumstances. Before planting see to it that the ground is in good order, thoroughly pulverized by plowing, cross-plowing, and subsoiling, until every part of it, to a depth of 18 inches, is well dis turbed. For fruit trees, ground should be in good heart, but it is a great mistake to suppose that they need to be planted in rich garden soil. Ground that will give 150 to 200 bushels of potatoes to the acre is strong enough for them or for grapevines. Wellrotted yard manure applied a year or two in advance will best bring the soil up to the standard of quality. At the time of setting, some finely-ground bone or super-phosphate o' lime to sprinkle around the roots will be of service. As to the season, however. we repeat that with a good soil in good order, properly mellowed, it will be safe to transplant apples, pears, peaches or gr pes, either in spring or fall.-New York Tribune.

from the kitchen and dining-room. venture the assertion that if each man HALIFAX, N.S., FEBRUARY 5, 1873. | MARGESON'S At noon time the whole mess is boiled of good constitution and health could up and thickened with corn or oat begin at twenty-one, having been promeal, or wheat screenings, and it is perly fed at that time, he might live given every day to the hens; the re- to be seventy or seventy-five years of sults are seen in plenty of fresh eggs age and not need the aid of a doctor all winter, and our breakfasts are ren- at all. We believe that nine out of dered delicious by their aid. But ten could do so. But just how a perafter all, unless we give food that will son should live to avoid entirely all permit the hen to manufacture the egg causes of disease, no man, perhaps, shell, it will often produce fat and no is wise enough to prescribe. It may hen fruit ; occasionally an egg with- be safe to assert that most people who out a shell may be dropped and then are healthy and hearty eat a little more we know that lime, old mortar, bones, at every meal than they should. That or something containing shell material, sense of fulness, that extra heat of the must be provided. If bone meal can face, and the inclination to be sleepy be purchased, it is the best food; if after a meal, show that it has been too not, we must burn all the meat bones beavy. Most people eat too rapidly, we use, then pound them and mix with and take in more food than they are the boiling food. Oyster shells pound- aware of .- The appetite is not allayed, ed are good ; and bits of broken crock- and they eat as long as they can hold ery are esteemed as tit bits by all it, because the taste is good. " biddies."

Green food, such as cabbage heads, &c., is also very much relished, and farmers should always remember to give the refuse cabbage leaves to the hens rather than to the hogy.

Boxes of coal ashes, wood ashes, and sand or gravel, are also needful articles of furniture in every hennery ; and air-slacked lime-a shovelful every few days-is a dainty to the bens. If piles of ashes and lime are laid in the corners of the house, the heus will roll in them, and keep themselves free from vermin.

It has been ascertained by a German naturalist that that ovary of a hen contains about six hundred embryo eggs. The first year not, much more than one bundred and twenty; the third

MESSENGER ALMANACK. FEBRUARY 1873. First Quarter, Feb. 4 h, 5h. 51a. moromg. Full Mcon, " 12 h, 7h. 19m. morning. " 20th, 20 9:n morning. " 2 ich. 11b. 8m. afternoon. List Quarter, New Moon. Day SUN. MOON. High Tiu < Wk Rise Sets Rises South Sets at Halita 1 S1. 7 22 5 6 9 54 3 55 9 58 2 SU. 7 21 5 8 10 17 4 41 11 11 10 45 11 29 1... 7 20 5 9 10 41 5 31 mor morn 1 n 7 18 5 1 11 6 6 19 0 21 0 11 5 W . 7 17 5 12 11 36 7 * 1 32 6 h . 7 16 5 13 A. 13 7 59 2 40 7 E... 7 14 5 15 1 2 8 51 3 45 0 56 1 48 2 57 8 31 . 7 13 5 16 1 52 9 42 4 4 4 15 9 80.7 12 5 17 2 43 10 32 5 32 5 38 10 4... 7 10 5 19 3 46 11 21 6 21 6 42 u. 7 9 5 20 4 46 mo n 6 56 7 28 7 5 22 5 49 0 7 7 28 8 8 1 .. 7 6 5 23 6 52 0 51 7 53 8 42 13 h.. 7 8 16 1 34 9 15 14 F ... 7 5 5 24 7 54 15 38. 7 3 5 26 8 55 2 14 8 34 9 43 16 SU. 7 1 5 27 10 0 2 54 8 53 10 13 17 1.. 7 0 5 29 11 4 3 36 9 12 10 43 18 Lu. 6 58 5 30 morn 4 18 9 32 11 13 19 W. 6 56 5 32 0 11 5º 4 9 57 11 47 20 1h. 6 5 5 33 1 21 5 51 10 27 Joyful news or the Afflicted, A. 25 21 F. 6 53 5 34 2 34 6 49 11 4 22 8 ... 6 52 5 36 8 37 7 47 11 57 2 13 23 SU. 6 50 5 37 4 40 0 49 A 58 3 40 21 .4. 6 49 5 38 5 39 9 52 2 5 5 13 25 1 u . 6 47 5 40 6 25 10 55 3 25 6 27 Life of Man Bitters. 26 W.. 6 45 5 41 6 58 11 54 4 50 7 25 27 L .. 6 43 5 43 7 27 A 5 6 13 8 12 28 F. 6 41 5 44 7 51 1 41 7 31 8 59 Wilmot, February 15, 186°.

> THE TIDES.-The column of the Moon's Southing gives the time of high water at Parrsboro'. Cornwallis, Horton, Hantsport, Winds r, Newport, and Irura.

High w ier at Pictou and Cape Tormentine, 2 hours a d 11 minutes later than at Halifax. GREEN. At Annap lis, St John, N. B and Portland Mame, 3 hours and 25 minutes later, and 4t Nos. 5s to 10s. St. John's, Newfoundland 20 minutes earlier, than at Halifax. At Charlotterown, 2 hours WARRANIFD to be full LESGTH and 56 minutes later. At Westport, 2 hours 54 the dropsy, in its worst form, with a large minutes later. At Ya mouth, 2 hours 20 minwarp. Broware of Imitations, COR THE LENGTH OF THE NIGHT -Subthe time of the sun's setting from 12 4. . iabel. to the remainder add the time of hou. ming rising n WM. PARKS & SON. and an an and the New Brunswick Cotton Mills, Dec. 18. ICIO COND COND Hats and Caps. WINDSOR & ANNAPOLIS RAILWAY. kinds, including the CONDENSED TIME TABLE. NEW AST STYLES. **DECEMBER**, 1872. both at HALIFAX TO SL. JOHN. Wholesale and Retail. Our prices are as low as any in the city. STATIONS. Exp Pass. Ps. Measure, without extra charge. EVERETT BROTHERS, A M. A. M. P. M Leave ... 8.00 8 40 2.45 0 Halitax-8.24 9 17 3.15 May 3. N Bedford 8.40 9 45 3.45 13 Wind, Junction 9.18 10 40 4.38 26 Mount Uniacke .. 10.00 11 33 5.33 39 Newport Tract Depository, .. 10.20 12.20 6 10 45 Windser .. 10.40 12.00 6 40 52 Hantsport ** .. 11.10 1.40 7 45 63 Wolfville Standard Religious, Theological " .. 11.40 2.40 70 Kentville and S. S. Books, Illustrated ...112.12 3 40 82 Berwick Papers, Reward Cards, .. 12.25 4 12 87 A lesiord Tracts, &c., .. 12...8 5 00 .. 1.15 5 25 101 Mid fleton 107 Lawrencetown .. 1.35 6 00 115 Bridzetown 129 Annapolis-arrive 2.15 6 45 190 St. John by Steamer ... 8.00 vation of souls. ST. JOHN TO HALIFAX. each when ordered by mail. Exp. Pass. Pass. STATIONS. Personal Religion ; Will You Consider it. Boardman .. \$0.25 God's Way of Peace. Bonar. 0 25 A. M. A. M. A M. Pilgrim's Progress. Bunyan. 0'25 St. John by Steamer 8.00 Way of Life. H dge..... 025 Leive. 8.15 2.20 Guide for Young Disc ples. 0 Annapolis Pike 0.25 9.05 2.55 14 Bridgetown Saipts' Rest. Baxter 0.25 9.40 3.15 22 Lawrencetown Golden Treasury Bogutzky. 0 25 10.07 3.32 23 Middleton Rise and Progress of R H gion 42 Aylestord in the Soul. Doddridge... 0.20 11.35 4.21 47 Berwik Early Religion. Pike 7.30 1.00 5.00 0 20 59 Kentvi le .. 7.53 1.32 5.24 Early Piety. Pike 0.20 66 Wolfville Call to the U. converted 8.33 2.15 5.50 77|Hantsport Baxter 0.15 .. 9.20 3.00 6.10 84 Windsor Anxious Inquirer. James... 0.15 9.56 3.27 6.28 90 Newport 103 Mount Uniacke Blood of Jesus..... 0.20 .. 10.45 4.35 7.07 .. 11.45 5.35 7.45 .. 12.03 5.55 8.00 116 Windsor June.

lump in my side, and swelled out of all kind of utes later. twenty are matured ; the second year, human shape, when hearing of Mrs E Gates FOR THE LENGTH OF THE DAY .- Add 12 medicine, I was indeuced to try it, and by so hours to the time of the sun's setting, and from doing I am happy to inform the public, I an the sum subtract the time of rising.

CALUULIFUGE.

This valuable Medicine is now before the public. Sure cure for the Gravel, Stone in the Bladder, and all diseases of the hidney; in some cases it has oned the Kropsy-the worst or weakest case may use it; perfectly vegetable and in almost all cases it is a sure remedy. Try one bottle. Over 200 cases have been cured in Halifax . It is equally effectual with cattle or Horses if taken in large quantities. Directions for use will be found on the wapper or label

Sold wholesale by Avery Brown & Co R. C MARGE-ON & CO, Halifax.

Halifax, December 5th, 1872-

R. C. MABGESON & Co.

Dear Sir :- Having been affected with Gravel and finding that the doctars could do nothing for me, I was induced to buy your medicine called Calculituge I am happy to say after the second trial I was perfectly cured. R commanding it highly to any fellow sufferer with the same complaint. I remain, your kumble servant,

EDWIN F. CUTLIP.

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R. C MARGESON & Co.

Dear Sir,-I feel constrained to make you my acknowledgement for benefit received, as followi: My horse was suffering from suppresion of the urinary organs and was, in consequence, seffering considerable pain ; I was recommended to try your Celculituze; I procured it and gave a strong dove, and a a happy say it had the desired effect in a complete +oure.

Yours, with regard, J. B SMITHERS. Dec 18 1m

PARKS COTTON WARP.



WEIGHT, STRONGER AD I BETTER IN OVERY TESpect than any other English or American none is genuine without our name on the FOR SALE BY ALL DEALERS. ST JUEN, N. B. TF. have new on haud a full Steck of all to which we invite the attention of our friends, 100 Grauville St., British American Book and 66 GRANVILLE ST., HALIFAX. N. S., Constantly on hand a good supply of

OXEN VS, HORSES FOR FARM WORK -Suppose we take a glance at the comparative cost of oxen and horses. As a general thing, a yoke of cattle can be had for about the same money as a good farm horse. To farm right a man must have at least two horses; than there is the rigging necessary, which will cost some fifteen or twenty dollars more than the ox rig, which will make the difference of the price of one horse and nearly the price of the rigging in getting ready to hitch to the plow or waggon.

Then why are not oxen more generally used, if they are so much superior to horses? I suppose it is because people are governed in that particular as with almost everything else in the world, by appearances. It looks like slow work, tedious and troublesome, besides, to plow and haul with cattle. But let the man who has tried both, sum up at the end of the year, and he will find that oxen are actually the fastest after all. I admit, however, it is a little more gratifying to a taste for the fine and graceful to follow a plow drawn by a nice pair of horses.

When a horse gets old and worn out, he is fit only to be "traded off," or if not traded off he is pensioner at the barn door of the kind-hearted farmer, and finally a feast for the buzzards. But an ox, when he gets old, is put up and stall fed, making first rate beef. quite a difference in the end. - Cors Ohio Farmer.

HOW TO MAKE HENS LAY -There are many hens kept through the wiuter which are not worth their feed, because they are c.illed and half sick from being forced to live on food not suited to their needs, or are too old for use. A hen is an egg-laying machine and in order to keep it in running order, it must be fed with a variety of food, out of which it can combine the

one hundred and thirty-five; the fourth, one hundred and fourteen; and for the next four years the number decreases twenty each year, and by the ninth year she lays only ten eggs. This shows us that, up to the fifth year, hens increase in value, and then are better fitted for the soup pot than the hennery.



IRRITABILITY OF THE FROG'S

HEART.

Taken all in all, the batrachians are

marvelous beings. Besides being

obliged to pump air down into their

own lungs, which explains why the

gular membrane underneath the under

jaw is so elastic, acting on the volume

of inhaled air in the cavity of the mouth

on the mechanical principle of bellows

they catch game with the point of the

tongue, drink through the spongy tex-

ture of the skin on the back, and live

months in succession concealed in the

mud bed of a pool without respiring;

and yet the sy-tole and diastole, or in

plainer words the contraction and ex-

pansion of the heart, is not suspended.

Their vitality is remarkable, since the

small amount of oxygen introduced

into the arterial blood when making

the final plunge in autum keeps the

spark of life alive till emerging from

the water in spring. If the heart of a

frog is cut from its connections within

the pericardium and placed on a table,

it will pulsate and throb energetically

for some minutes. When apparently

quiescent, the point of a needle will

rouse it again into spasmodic energy.

Finally, by the touch of irritants, its

irritability is completely exhausted.

After experimenting full half an hour

in that manner, we were struck with

the lively vaultings of the frog from

which the heart had been taken. Cer-

Sir,-This is to certify that I was for a oon siderable length of tune seriously iffected with indigestion acco apanted by a severe pains in the chest and side Atter trying different medi cines without experiencing any permanent relief was indued by your Ages t to try his medi ciues and after using three bottles of Bitters

restored to perfect health.

CALEB GATES, ESQ.

commend it.

and Syrup. I was entirely cured I would cheerfuly recommend it to all similarl, afflicted.

GATES'

Mr Caleb Gates - Dear Sir-[feel entirely

well of pain in my side and have raised no more

blood and matter since taking two bottles of

your medicine I have tested it in my family

with a like result; my wife, one of my sons and

myself have all been cured of severe affections

of the Lungs and stomach by its use alter every

This is to certify that I was given up by all

the most skiltul physicans in New York with

The medicines are manufactured by.

JOHN H POTFER.

JOHN CANE.

CALEB GATES.

Ciled nia June 4 1863

other medicines have failed. I cordially re-

GEO DONKIN. Conductor W. A. Railway. Kentville. Oct 5ta, 1870.

This is to certify that C Wheelock of Nictaux Annapolis in the C untry of Annapolis and Province of Nova Scotia has been afflicted with Liver Complaint and c uplicated disease two years. Have tried different physicans and dif ferent medicines of various kinds, but found lit. tle or no relief until I applied to Mr. Caleb Gates for his medicine. After using it I soon found the diseases hal to yield under his treatment, I write this for the benefit of others who may be afflicted as I have been. August 4, 1866.

PRICE. Bitters St per quart : Syrup 50 cents per pint

bottle ; Liviment 20 cents per bottle and the ointment 30 cents per box

CHRISTIAN WHEELOCK

Address CALEB GATES & CO.,

Farmington Wilmot, Annapolis Co. A large number of certificates, similar to the above have been received and will be published at times for the information of the affl cted and the people generally.

AGENTS .-- George V. Rand, Wulfville. John Webb, Windsor. J. E. Newcomb, Hantsport. J. L Cogswell, Kentville. Sheffield & Wickwire, Canning.

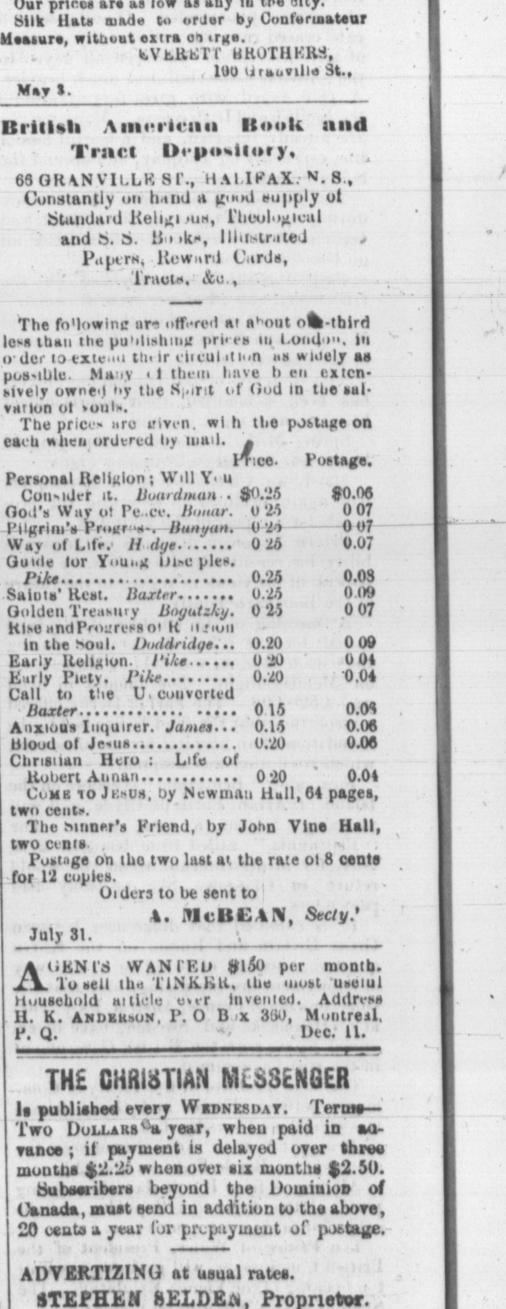
GENERAL AGENT, JOHN K. BENT. 126 Granville Street, Halifax. Jan 15

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(North-end of 1, ourside - unding.)

and having secured a STAFFOF SUPERIOR



various parts of the egg-white, yolk and shell.

Winter is the hardest season, for they require more attention at that time ; bat if suitable food is given, and the location of their house is sunny and confortable, one can safely count on as many eggs in December, January, and February, as in the summer months. Their food must be varied; this is an essential item in the care of hens. It is the best to feed corn, wheat, oats, buckwheat, and potatoes ; having part of the corn just from the cob, and the rest either cracked like hominy, or in ground meal, and we find it work better to feed whole corn at night, and the more easily digested food at morning and noon.

Beet's liver, lights and heart, If chopped fine, are also highly relished, and meat bones with small fragments attached are desirable food, and oil cake is as good as anything else. For several winters we have kept a kettle behind the stove, into which all fragments of food were thrown-apple and potato parings, skins of all vegetables bits of cooked food, and all the debris

tainly it was conscious of its relations, for it avoided many cautious attempts, to capture it, on the part of the operator. It was some hours before death closed the scene.

The vital tenacity of reptiles, particularly batrachians and chelouians, which takes in the tortoise family, are remarkable and worthy of more extended scientific investigation.

We eat too much. We eat the wrong articles of tood. We have pimples, bilious fevers, headaches, dyspepsia, kidney complaint, liver difficulties and rheumatism. The old rough statement that " men dig their graves with their teeth," has more truth than poetry in it. If men would use their teeth properly, they could postpone the time for having their graves dug for many years.-Herald of Health.

QUANTITY OF FOOD TO EAT .- People often ask us " What is the proper quantity of food ?". This depends very much on what the food is, and. who the person is, and what his pursuits are. We doubt not that most people who have the means eat a third more than they really need, and we

ARTIZANS, he is now in a position to manufacture

BOOTS AND SHOES, Which for

VARIETY, QUALITY, STYLE, FINISH AND CHEAPNESS cannot be excelled by any goods offered in this market, whether Dominioa, English or American.

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attention.

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Kentville, 16th Dec., 1872. Manager. Jan. 1.

May 17.

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