The Messenger Almanac.

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Ful	t Quar	ter,	10, 1	h. 58m.	morning fternoon
DM		UN. e.Sets. R		ON. ath. Sets.	High Tide
147	h. 6 4	0,5 451 9	34 5	31 M. 28 0 5 20 1 22	11 1 11 38 M.

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 Tormen-

tine, 2 hours and 11 minutes LATER than at Halifax. At Annapolis, St. John, N.B., and Portland Maine, 3 hours and 25 minutes LATER, and at St. John's, Newfoundland, 20 minutes EARLIER, than at Halifax. At Charlottetown, 2 hours 56 minutes LATER. At Westport, 2 hours 54 minutes At Yarmouth, 2 hours 20 minutes

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.

BETCHER'S

PICTORAL MIXTURE

FOR COUGHS, COLDS, WHOOPING COUGH, ASTHMA, &c.

This article has been known to give immediate relief in Chronic Coughs when other Syrups have utterly failed, and for temporary coughs and colds it is invaluable, for which assertions abundant testi-mony can be produced. For singers and speakers it is also invaluable. No harm can result from a free-use of this medicine. To be had of the Manfacturer

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CERTIFICATES. HALIFAX, March 10th, 1873. J. W. BETCHER, Esq.

DEAR SIR, Having used a half dozen bottles of your valued Pectoral Mixture I find myself greatly relieved from a chronic chough, and pulmonary weakness which had been preying upon my system for ever a year, and would recommend it to all who are suffering from like complaints. GEO. L. FELLOWS.

St. John, N. B., April 16th, 1874. This is to certify that I was attacked with a very severe cold combined with the Asthma very bad, so that I could not lie down or hardly breathe. One bottle of the cough medicine prepared by J. W BETCHER, Esq., of Halifax, N. S., relieved me, and five bottles completely cured me so I have not been troubled with the Asthma since, and I believe it to be the best medicine for Coughs, Colds, Asthma, &c., that there is made.

JOHN N. DEARBORN. Aug. 12. 1 yr.

CONSUMPTION CURED.

To the Editor of "Christian Messenger," ESTEEMED FRIEND: Will you please fnform your readers that I have a positive CURE FOR CONSUMPTION

and all disorders of the Throat and Lungs, and that by its use in my practice, I have cured hundreds of cases, and will give

\$1,000.00

for a case it will not benefit. Indeed so strong is my faith. I will send a SAMPLE, FREE, to any sufferer addressing me. Please show this letter to any one you may know who is suffering from these diseases, and oblige.

Faithfully Yours, DR. T. F. BURT, 67 William Street, New York.

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AGRICULTURE.

Editor Christian Messenger,

Sir.—I notice in your last issue an enquiry, and answer in reference " the gathering of butter in winter." Sprague's Churn, manufactured by

T. B. Wyman, Milton, Queen's Co meets the difficulty.

By the motion of the paddles the air is pumped in at the ends, passes through the cream and is carried off through a tube on the top of the cover. This process cleanses the cream of all unpleasant flavour, brings the oxygen of the air in contact with the oil in the cream, gathers it and turns it to butter.

and be made to feel that man is

and abusive to his herd, never did and

never can realize a full yield of milk

from it. I think that anyone that has

the charge of animals should study

their character and disposition. It is

an interesting study, and, under the

law of kindness, you will not unfre-

quently bring out wonderful traits and

exhibitions of affection, which will show

a forethought and design which may

well be ranked with the higher intelli-

FEEDING POTATOES .- My experi-

writer to the Country Gentleman, has

been good. I find no trouble in mak-

ing one peck of potatoes a day to each

cow, with plenty of good hay, as in sum-

mer. My cows look better than they

do on summer pasture. Why all this

nonsense about cooking hay for stock,

when they will, with a few roots and

plenty of good hay, do as well as at

pasture with grass in plenty? I mean

loosing weight. If he is to fatten, he

he will gain two pounds a day. This

dred for his hay a farmer must sell fat

DEAD DOGS .- In San Francisco,

dead dogs are purchased at forty cents

a carcase—their hides are tanned into

gloves the hair sold to plasterers, and

their bones sold to sugar refineries, where

in boiling the carcase is manufactured

into cod liver oil (?) while the residuum

Roses.—There is an improved sys-

tem of training climbing roses. Take

willow branches, set one end in the earth

by the rose bush, and bend the other

end over and fasten into the ground in

the form of a bow. Fasten the grow-

ing rose down to this, and the bloom

will be much better than by the upright

WHITE GRUBS can be driven out of

any soil, says a correspondent of the

Rural World, by a very small quantity

pounds per acre will banish them in

twenty-four hours, if there is moisture

The value of manure depends on the

amount of potash, phosphoric acid, and

nitrogen which it contains.

enough on the soil to dissolve the salt.

is used for fattening hogs.

training in common use.

of them feed.

hundred pounds.

ing as much butter in winter, by feed-

gence of reasonable beings.

Yours. T. B. WYMAN.

SCIENCE.

NEW MODE OF WASHING .- The illeffects of soda on linen has given rise to a new method of washing, which has been extensively adopted in Germany and introduced into Belgium. The operation consists in dissolving two pounds of soap in about three gallons of water. as hot as the hand can bear, and adding to this one table spoonful of turpentine and three of liquid ammonia; the mixture must then be well stirred, and the linen steeped in it for two or three hours, taking care to cover up the vessel containing them as nearly hermetically as possible. The clothes are afterward washed out and rinsed in the usual way The soap and water may be reheated Organs and Pianos. and used a second time, but in that case

mately, and be unsparing in little acts jurious effect upon the linen; and of kindness. You may whip and tor- while the former evaporates immediateture a cow into submission, but she will ly the smell of the latter is said to disstrike the balance against you in the appear entirely during the drying of milk pail. One of the greatest faults the clothes. among dairy farmers to-day is a lack of kindness and consideration to domestic Position of a residence.—Houses animals. Cows should be petted daily friend and protector. All pain, fright, and uneasiness checks the secretion of milk, and the man who is passionate

on streets running nearly north and south are preferable to those located east and west, in a sanitary estimate. In the first, here at the north of the equator, the sun shines brilliantly in the forenoon on the front, and with nearly equal force in the afternoon on the rear. Thus dampness is expelled, and the whole edifice is dry and the air far purer for its solar exposure. If a house is on an east and west street, those fronting the north are decidedly the best for a residence, because the sun's action on the yard, the kitchen, and usual regions of neglected accumulations, purifies and modifies the humid atmosphere that is sure to predominate in yards and the back side of houses whose rear is north of the street. Thus circumscribed, ence in feeding potatoes to cows, says a the back rooms are never so pleasant, cheerful, or economically warmed in winter or ventilated in summer, as when on the south side. Opening on the street, the frame of each gets both light and air by reason of the frequent spring of the front door. Here is the law of health in a nut-shell.

Rugs.—There is no greater saving in household economy of small items than in the matter of rugs if they are hay, and not the straw hay that many rightly used. They can be placed where the greatest amount of wear would come on a carpet, and in that GAIN IN CATTLE. It takes eleven way save a considerble expense. Then pounds of milk to add one pound of we can make the rugs ourselves of pieces live weight to a calf; and an ox we may have, and be to no expense to that weighs one thousand three hundred buy. Pieces of cloth may be cut into lbs. will consume twenty-two pounds of circles and sowed on one above the hay in twenty-four hours to keep from other three deep, the upper ones diminishing in size. The cloth should be must have just twice that quantity, when | lined and bound with braid.

An ingerious woman will contrive a is one lb. live weight to eleven lbs. pretty rug out of scraps that are appargood hay. To obtain fifty cents a hun- ently worthless and too small for anything else. The devices are innumersteers at five dollars and fifty cents per able. One way, where the pieces are of not very heavy cloth, is to fold it into points and sew on a firm foundation in any pattern desired; or, if the pieces are heavy, they may be pinked and then sewed on.

SWEET POTATO BALLS .- First boil they are ground to a powder to clarify the potatoes then carefully mash them. put in some lemon peel, a couple of small lumps of sugar and a little salt. fire and add the potatoes, so as to form a paste, or rather tolerably thick mush. When cool make it into balls; cover these with crumbs of bread and yolk of eggs. Fry these to a nice brown colour, and serve up with sugar strewed over them.

SOAP WEED .- Among the useful plants in New Mexico is the soap-weed, the root of which is used as soap. The Mexicans prefer it to soap for washing woolen goods. It extracts all dirt and grease and restores the lustre of the or salt sown broadcast over it. Five

> BOILING BEETS .- Always boil beets without taking away any of the skin or fibres, and never puncture them with a fork to try if they are done. It makes all the difference in their flavour.

KEEP SWEET OIL in a cool place if you wish it to retain its sweetness for any Grasshoppers don't molest sheep, length of time in warm weather. The and hence a good many Kansas people oil should be supplied to the castor are going into the wool business this daily and all returned to the bottle that is not used.

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LOCAL EXPRESS TRAINS will leave Pictou for Truro at 3.15 p.m. and Truro for Pictou at 10.50 a. m., St. John for Sussex, at 4.30 p. m. Sussex for St. John at 7. 35 a. m., Point du Chene for Painsec at 11.40 a. in., and 3.20 p. m., Painsec for Point du Chene at 12.30 p. m. and 4.05 p. m.

MIXED TRAINS

will leave Halifax for Truro and Pictou, at 11.45 a. m., and 1 p. m., and Pictou for Truro and Halifax at 6.30 a. m. Truro for Painsec and Moncton at 7.00 a, m., and Moncton for Painsec and Truro at 7.20 a. m. Point du Chene for St. John at 6.45 a. m., and St. John for Point du Chene at at 10.00 a. m.

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will leave Moncton for Miramichi, Campbellton and Way Stations at 12.15 p. m., and Campbellton for Moncton at 6.20 a.m., connecting with Trains to and from Halifax and St. John. For particulars and connections see

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