The Messenger Almanac.

Last Quarter, May 1st, 9h. 38m. M. New Moon, "9th, 2h. 2m. M. First Quarter, "17th, 6h. 10m. M. Full Moon, "24th, 2h. 24m. M. Last Quarter, "30th, 6h. 39m. A.
First Quarter, 17th, oh. 10th. M.
Full Moon, 24th, 2h. 24th, 2h. A.
Day Sun. Moon. High Tide
H - 1 SUN. MOUN.
W . Rise. Sets. Rises. South Sets.
1 Sa . 4 54 7 0 1 8 6 5 11 2 6 A. 21 2 SU . 4 53 7 1 1 36 6 54 A. 12 1 26 3 M 4 51 7 2 1 59 7 40 1 21 2 41 4 Tu . 4 50 7 4 2 23 8 25 2 27 3 57 5 W . 4 48 7 5 2 46 9 9 3 32 5 2 6 Th . 4 47 7 6 3 8 9 52 4 36 5 58 7 Fr . 4 46 7 7 3 33 10 37 5 41 6 42 7 Su . 4 44 7 8 4 2 11 22 6 42 7 24 8 Sa . 4 44 7 8 4 2 11 22 6 42 7 24 9 SU . 4 43 7 9 4 35 A 10 7 45 8 0 10 M . 4 42 7 10 5 15 0 59 8 43 8 33 11 Tu . 4 41 7 11 6 2 1 49 9 36 9 8 12 W . 4 39 7 13 6 55 2 39 10 21 9 41 13 Th . 4 38 7 14 7 52 3 28 11 4 10 17 14 Fr . 4 37 7 15 8 52 4 14 11 36 10 52 16 16 16 16 16 16 16 1
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6 Th. 4 47 7 6 3 8 9 52 4 36 5 58
7 Fr. 4 46 7 7 3 33 10 37 5 41 6 42 7 24
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26 W. 4 26 7 28 10 28 2 59 7 30 9 34
28 Fr. 4 24 7 30 11 38 3 57 8 46 10 27
90 So A 74 / 31 W 4 10 10 0 44
29 Sa., 4 22 7 21 0 2 5 37 11 11 A. 13

THE TIDES.—The column of the Moon's Southing gives the time of high water at Parrsboro, Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

30 Su. 4 23 7 31 0 2 5 37 11 11 A. 13 31 M. . 4 22 7 32 0 27 6 23 A. 19 1 7

High water at Pictou and Cape Tormentine, 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. A Westport, 2 hours 54 minutes able period of time. Scarcely any LATER. A Yarmouth, 2 hours 20 minutes LATER.

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.-Sub tract the time of the sun's setting, from 12 hours and to the remainder add the time system. All things considered, good of rising next morning.

BAPTIST CHURCH REQUISITES.

Articles and Covenant \$1.00 per 100. Church Record and Register \$2. and \$3 Alphabetical List of Members 40 cents

Letters of Dismission 50 cts. per quire. Psalmists, in all varieties, from 85 cts. Baptist Hymn Book from 50 cts. Baptists Hymn and Tune Book \$1.00

Scripture Catechism, \$6.00 per 100. CHRISTIAN MESSENGER OFFICE, No. 69 & 71 Granville St., Halifax. April 15.

THE NATION

For it is sadly too true that thousands of children are STARVED TO DEATH every year by improper or insufficient food. Remember,

RIDGE'S FOOD

Is all and a great deal more than we have NUTRITIOUS and easily assimilated FOOD, grateful to the most delicate and irritable stomach, and especially adapted for the INFANT and GROWING CHILD.

Invalids, Nursing Mothers, and those suffering from Indigestion

will find on trial that RIDGE'S FOOD all they can desire. It is carefully put up

Constant users will find our No. 4 size (always the most economical size to buy) now much larger than formerly, thus materially lessening the expense. WOOLRICH, Dispensing and Family

Chemist, Upper Water St., Depot for for brown linens and prints. Ridges Food, Pick-me-up Bitters, &c., with a well-assorted-stock of Pure Drugs. April 17

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AGRICULTURE.

STABLE FLOOR .- Mr. J. Wilkerson, a rural architect of much experience, in the Turf, Field and Farm, has hit upon the following plan for improving the construction of stable floors: The floor is made level, fore and aft, but leaving a gentle slope from each of the two other sides to the centre, or half the width of a stall. The planks are laid crosswise, inclining in the centre, leaving an opening between the ends in the centre, just wide enough for the urine to drain through a metal gutter under the floor, which conducts it outside the building to a hogshead or to the manure pit. This prevents it from being absorbed in the bedding, which, otherwise is wet, fetid, and uncomfortable to the horse. The cleanliness of this arrangement of floor is another advantage, as it admits of the animal lying as he always does, where he can, in pasture fields, i. e., with his back up the grade. Then the floor, being always kept dry, makes a good bed for the horse without litter, during the summer months, besides being cooler and freer from the ammonia which the litter exhales .- Grange Record.

MILK AS FOOD .- Unadulterated, undiluted, unskimmed, and properly treated milk, taken from a healthy cow in a good condition, and produced by the consumption of healthy and nutritious grasses and other kinds of food, contains within itself, in proper proportions all the elements that are necessary to sustain human life through a considerother single article of food will do this. When we eat bread and drink milk we eat bread, butter and cheese, and drink water-all of them in the best combination and condition to nourish the human milk is the cheapest kind of food that $3\frac{3}{4}$ lb., and costing $6\frac{1}{2}d$, contain as much nutriment as 1 lb. of beef, which costs 9d. There is no loss in cooking the milk, as there is in cooking beef, and there is no bone in it that cannot be eaten; it is simple, palatable, nutritious, healthful, cheap, and always ready for use with or without preparation. We see that, at any ruling prices, milk is certainly one of the cheapest, if not the cheapest, food that can be furnished to the family, while all experience is in favour of its healthy qualities. - Prof. Sheldon.

THE HOUSEHOLD

To WHITEN FLANNELS.—How shall I restore the colour to my flannels? is a question often asked by housekeepers whose clothes have been ruined by the bad treatment of indolent, incompetent washerwomen. A solution of 1½lbs., claimed for it. It is simply a HIGHLY of white soap and \(\frac{2}{3} \) oz. of spirits of ammonia, dissolved in 12 gallons of soft water, will impart a beautiful and lasting whiteness to any flannels dipped in it, no matter how yellow they may have been previous to their immersion. After being well stirred round for a short FOR INFANTS AND INVALIDS, is time, the articles should be taken out and well washed in clean cold water.

> An infusion of hay will preserve the natural colour in buff linens, and an infusion of bran will do the same

A paint that will protect against fire, impervious to water and lasting as slate: Take lime and slake it with hot water in a tub to keep the steam in. Then pass the semi-fluid composition through a fine sieve, and of this take six quarts, with one quart of clean rock salt for each gallon of water. Dissolve the salt by boiling, and skim all impurities off. To five gallens of this mixture add 1lb. alum, 1lb. copperas lb, of potash, added gradually. 4 quarts of fine white sand or hardwood ashes, and colouring to suit. Apply with a brush.

An excellent, cheap, and durable paint is made as follows: - Take a barrel and slake one bushel of fresh burned lime in it. Then add cold water enough to make it like whitewash. Dissolve in water and add 1 lb. of white vitrol (sulphate of zinc) and one quart of fine salt. It owes its durability chiefly to the vitrol, which hardens and fixes the paint. For brick or stone, instead of one bushel of lime, we half a bushel of lime and half a bushel of hydraulic cement.

To colour this a cream colour, add lb, of yellow ochre in powder. A fawn colour, add 1 lb. yellow ochre and 4lb of Indian red. A handsome grey stone colour, add 1 lb. of French blue and 1 lb. of Indian red. A drab, add 1 lb. burned sienna and Alb. Venetian red.

HEALTH HINTS.

CLIMATE AND CONSUMPTION -A writer in The Medical Journal makes some definite assertion concerning the influence of climate on pulmonary diseases. No zone, he declares, enjoys entire immunity from pulmonary consumption; moreover, the popular belief Horses, that phthisis is common in cold climates is fallacious, and the idea now so prevalent, that phthisis is rare in warm climates is as untrue as it is dangerous; The OBJECT of this FEED is to prevent disease, to put and maintain animals the disease causes a large proportion of deaths on the seashore, the mortality and Roots, which cannot be obtained by animals that are stall-fed. A varied diet is diminishing with elevation up to a ceras necessary to the horse or any other animal as it is to man. tain point; altitude is inimical to the development of consumption, owing chiefly to the greater purity of the atmosphere in elevated situations, its freedom from organic matter and its richness in ozone; moisture arising from a clay soil or due to evaporation, is one of the most influential factors in its production; dampness of atmosphere predisposes to the development of the disease, but dryness is of decided value.

Good fires should be kept up during house cleaning time even though the doors and windows be kept open, and more than usual attention should be given to the provision of a nutritious favourable circumstances house cleaning makes immense demands upon the nervous system as well as on the muscular, and good food at regular intervals will be a great help.

MILK AND LIME WATER .-- Milk and lime water are now frequently prescribed by physicians in cases of dyspepsia and weakness of the stomach, and in some cases are said to prove very beneficial. Many persons who think good bread and milk a great luxury, frequently hesitate to eat it for the reason that the milk will not digest readily: sourness of stomach will often we have; for 3 pints of it, weighing follow. But experience proves, says the Journal of Materia Medica, that lime water and milk are not only food and medicine at an early period of life, but at a later, when, as in the case of infants, the functions of digestion and assimilation are feeble and easily perverted. A stomach taxed by gluttony, irritated by improper food, inflamed by alcohol, enfeebled by disease, or otherwise unfitted for its duties-as is shown by the various symptoms attendant upon indigestion, dyspepsia, diarrhea, dysentery, and fever-will resume its work, and do it energetically, on an exclusive diet of bread and milk and lime water. A goblet of cow's milk may have four tablespoonfuls of lime water added to it with good effect. The way to make lime water is simply to procure a few lumps of unslacked lime, put the lime in a stone jar, and add water until the lime is slaked and of about the consistence of thin cream; the lime settles, leaving the pure and clean lime water on the top.

Boy Smokers.—An eminent physician experimented with 38 boys, from nine to fifteen, who had been in the habit of smoking, and examined them closely. In 27 he found obvious hurtful effects, 32 having various disorders of the circulation and digestion, palpitation of the heart, and more or less craving for strong drink; 12 of the boys were frequently troubled with bleeding at the nose; 10 had disturbed sleep; 12 had slight ulcerations of the mucous membrane of the mouth, which disappeared after discontinuation of tobacco for ten or twelve days. Treatment for those special disorders were tried in vain, until the use of tobacco was prohibited, and then restoration to health tollowed.

EIGHTY MILES AN HOUR.—The Nationat Car Builder says that a locomotive on the Pennsylvania railroad made the fastest run on record a few evenings ago. It was ordered from the 1879-Provincial Exhibition-1879 round-house to the scene of an accident, and ran 50 miles in 45 minutes and 8 seconds. This is at the rate of a trifle under 80 miles an hour, and is a very remarkable performance.

LEATHER CEMENT .- Dissolve guttapercha in a sufficient quantity of chloroform to make it of honey-like consistency-it will take a few days-cork tightshake occasionally. Patches can be put on with it, so that they defy detection. Directions for use. Apply the cement twice to both parts and dry ten minutes. After it becomes dry, warm both parts gently, until the cement is thoroughly melted. Apply immediately-hammer lightly-ready for use in ten minutes. Shake well before using.

Leadville is called a young town beeause its inhabitants are mostly miners.

horse will be in a perfect condition, when | the usual quantity of milk or oatmeal for you can deduct one-fourth part of the usual grain feed. Discard all bran when using MANHATTAN FEED. Cows.-At each time of feeding mix at | or meal for each hog.

in a healthy condition, and to economize feed.

the rate of six pints for every dozen cows, with their usual feed, and in two weeks in a peek of their usual food. of milk and butter.

Horses. - At each time of feeding mix BULLOCKS.—Mix same as for Cows. half pint of the Feed with the usual quan-CALVES AND LAMBS.—at each time o tity of corn or oats. In a short time your | feeding mix half pint of the Feed with every four animals.

Cattle, Milch Cows, Sheep,

Hogs.—At each time of feeding mix half-pint of the Feed with the usual swill

POULTRY.—Mix half a pint of the Feed you will be surprised at the large increase A measure holding exact amount of one feed is enclosed in every bag.

PRICES.

Pigs and Poultry.

DIRECTIONS FOR FEEDING.

All the ingredients composing this FEED are certain health-giving Herbs, Seeds

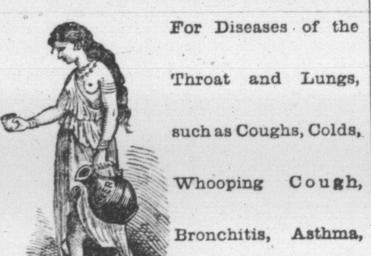
Bags containing 100 Feeds (25 lbs.), \$2.00. Bags containing 200 (50 lbs.) \$4.00. Bags containing 400 Feeds (100 lbs.), \$8.00. For Poultry, a specially prepared Feed, put up in 21 lbs. boxes, 25 cents.

and generous diet. Under the most Prepared only by MARSDEN & CO., 698 Craig St. Montreal. GENERAL AGENT FOR THE MARITIME PROVINCES-

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For Diseases of the

such as Coughs, Colds,

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The reputation it has attained, in consequence of the marvellous cures it has produced during the last half century, is a sufficient assurance to the public that it will continue to realize the happiest results that can be desired. In almost every section of country there are persons, publicly known, who have been restored from alarming and even desperate diseases of the lungs, by its use. All who have tried it, acknowledge its superiority; and where its virtues are known, no one hesitates as to what medicine to employ to relieve the distress and suffering peculiar to pulmonary affections. CHERRY PECTORAL always affords instant relief, and performs rapid cures of the milder varieties of bronchial disorder, as well as the more formidable diseases of the lungs.

As a safeguard to children, amid the distressing diseases which beset the Throat and Chest of Childhood, it is invaluable; for, by its timely use, multitudes are rescued and restored to health. This medicine gains friends at every trial, as the cures it is constantly producing are too remarkable to be forgotten. No family should be without it, and those who have once used it

Eminent Physicians throughout the country prescribe it, and Clergymen often recommend it from their knowledge of its effects.

PREPARED BY Dr. J. C. AYER & CO., Lowell, Mass., Practical and Analytical Chemists.

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\$66 a week in your own town. Terms and \$5 outfit free. Address H. HALLETT & Co., Portland, Maine. May 28, '79. 1 yr.*

76 Granville St., Halifax.

1879 WINTER ARRANGEMENT 1879

PRAINS leave Halifax daily (Sunday L excepted) as follows: (Halifax time.)

At 8.30 a. m.—Express for St. John, Pictou, and intermediate places. At 1.16 p. m.—Express for Quebec and intermediate places. At 5.30 p. m.—Accommodation for Truro. WILL ARRIVE :-

At 9.16. a. m. - Accommodation from At 1.56 p. m., -Express from Quebec and from St. John. At 8.30 p. m.—Express from St. John, and Dec. 3, 1879.

WINDSOR & ANNAPOLIS Railway.

Winter Arrangement, Commencing 4th Dec., 1879.

Miles.	GOING	WEST	Express Mon.,	and Saturday	Passengers Freight, Tues.	and Friday	1 0	rass. & rrgt.
1		* * * * * * * * * * * * * * * * * * * *	A.	M.	A.1	4.	P.	M.
1	Halifax	Leave	7	30		30	2	44
45			9	30		30	5	45
64	Wolfville.		10	24	11	30	6	53
71	Kentville,	Arrive	10	45	12	00	7	15
The state of					P.1	M.		
	Do.	Leave	11	00	12			
83	Berwick.		11	32	1	18		
				M.			i	
102	Middleton.			20		30		
and the second s	Annapolis.	Arrive	W. PHINADA	and the second	Service our services	20	C w Calcolotti sive	Art Care
	St. John,	do	17	30	1		1	
			hight	100	ight	6.	Vod	nly.

Mifes.	GOING EAST.		Pass. and Free Daily.		cass. and Fre luesday, Thurs and Friday onl		Express Mon. Vanday o	
			A.	M.	A.	M.	A	M.
	St. John,	Leave					8	00 M.
00	Annapolis,	Leave			7 9	30 23	2	15 38
	Middleton. Berwick.		*		10	45	N. C.	27
	Kentville,	Arrive			111	35	5	00
	do	Leave	6	40	12 P.1	00 M.	5	10
66	Wolfville.	p 1	7	07	12	30	5	31
	Windsor,	Arrive	8	25	2	00	6	30
	Halifax	Arrive	11	00	. 5	00	8	25

Monday, Wednesday and Saturday for Annapolis, and returns the same day on arrival of train.

HALIFAX and CAPE BRETON RAILWAY.

Leaves Antigonish at 9 a.m., and New Glasgow at 1.45 p. m. Arrive at New Glasgow at 11.30 a. m., and at Antigonish at 4.15 p. m.

THE CHRISTIAN MESSENGER

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