The Messenger Almanac.

New Moon, June 7th, 5h. 41m. A.	A CONTRACTOR OF THE STATE OF THE	JUNE.		4
Rise.Sets. Rises. South. Sets. at Halifax Tu. 4 22 7 33 0 50 7 8 1 26 2 7	First Quarter, " Full Moon, " Last Quarter, "	22nd, 9 29th, 5	h. 31m. h. 43m.	M. M.
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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 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 LATER. A 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.

Chester's Cure Asthma, Bronchitis

CATARRH, and all diseases of the respiratory organs.

WONDERFUL CURES Have been made of the above diseases of long standing, when everything else has failed.

THOUSANDS can testify to its merits and a trial will prove it is what we represent it to be.

Sold by all Druggists, or sent by mail on receipt of One Dollar, by W. E. CHESTER, 389 Lagauchetiere St., Montreal.

Ayer's



April 14.

For Diseases of the

Throat and Lungs,

such as Coughs, Colds,

Whooping Cough,

Bronchitis, Asthma

and Consumption.

The reputation it has attained, in consequence of the maryelious 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 never will.

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. SOLD BY ALL DRUGGISTS EVERYWHERE BROWN & WEBB, Halifax, Wholes ale Agents,

AGRICULTURE.

PRIZES FOR BOYS .- The Maine experiment of offering rewards to boys for successful farm work is to be imitated in Vermont. Two of the trustees of the State University have offered \$150 in prizes to boys not over seventeen years of age for the best crops of potatoes and corn on one-eighth of an acre. The practice is a good one, and might be wisely adopted with benefit to our agricultural interests as well as to boys.

How to secure good cows. -Mr. Israel Boies, a noted Illinois dairyman, says that one of the greatest defects among dairymen is the lack of quality in cows, a point we have often urged upon the consideration of milk-producers. To secure good cows, said Mr. B., the calves of the best cows in the dairy should be raised, well fed and cared for-fed on something better than skim milk. The poor cows should be weeded out, and only the best kept in the diary. The calf of a poor cow fed on poor food is not worth raising. Another dairyman gives this advice: "Keep the good calves. As the cows come in, the heifers may be selected for raising. There can be no better way to improve the stock of cows than to use a good bull and keep the best calves, well feeding and caring for them until matured. After these become cows a selection can again be made for breeding, and only the best retained. In a few years the value of dairy cows may be doubled by this careful practice as selection."

FIRST YEAR OF HEIFERS.—An Iowa farmer says :- " It is too often the case that farmers let heifers with their first calf run together in the pasture the first year, for the reason that they do not generally give a larger quantity of milk than will raise a calf. This is wrong. If the heifer is intended for service as a milker in after years, her udder must be enlarged and distended at her early age so as to hold the full secretions of milk for twelve hours. When running with her calf it will suck every hour or two, and her bag will shrink to just that capacity. They must be cultivated to large capacity at the proper period of the heifer. Therefore as soon as there is no danger of inflammation of the udder from the milk remaining in it twelve hours, the calf should be weaned. But the heifer should not be removed so far from the calf that she cannot see and smell it. The natural attachment of the mother for her offspring has much to do in developing her capacity to support it. Smelling and licking her calf stimulates and enlarges the mammary glands, and develops the powers of secretion of milk. For four or five days a heifer which has been full fed should be milked every three hours, gradually increasing the time until it is fixed at twice a day. In work, and careful work at home. A omitting the trandy. kind and careful man always has gentle cows. A cross and vicious man has kicking, jumping and fractious cows. It is easy to judge the character of a farmer by the character of his cows."

THE COMPOST HEAP.—The compost heap is always a very valuable adjunct to the manural resources of the farm, prepared, rhubarb leaves resemble that and for the vegetable garden is almost delicate vegetable very closely, only indispensable. In handling or turning possessing a slightly more acid flavour, over the heap, which is a very import- which, however, is most refreshing. To ant point to be attended to, it is well prepare the leaves for the table, the to have a quantity of plaster on hand to scatter upon the heap which will after taking out the ribs and coarser have the effect to immediately settle parts, the leaves should be treated simithe ammonia, which will be given off by the manure during the decomposi- must be passed through a fine sieve, and tion. An application of say thirty pounds of plaster to every two-horse load of manure, will be quite sufficient for this purpose, which should be spread over the heap as it is being forked over, and if at any time during the decomposition there should appear indications of waste of ammonia by escaping from the pile, (which can always be told by der, skim them out into your baking the smell) an application of plaster dish; stir in butter the size of an egg, will have the effect of preventing its a little salt and a tablespoonful of moescape. Any liquid draining from the lasses. Then turn a cupful of rich pile should be absorbed by earth or milk over them, or enough to cover much. It is much better that compost- them. Cooked in this way the top beans ing should be done under cover, but will be nicely browned, and at the same this is not always convenient; it is, time be soft. This is a good receipt, however, of great advantage to have it and beans cooked in this way are exdone in close proximity to the field or cellent.

garden where it is intended to use it. There need not be much if any waste in leaching, as absorbitants can be used for the base of the pile. Compost manure is highly prized as a top dressing for grain or meadow lands .-- Exchange Paper.

SCIENCE:

A very strange story is related from Pesth. A man named Tackas was hanged at Raab for the murder of two women. He was cut down after the execution, and the medical man declared life extinct. The body was then brought under the influence of an electric-galvanic current, and became so violent that he had to be secured. He became delirious, but was occasionally conscious, when he complained of great pain. He died next morning. The disagreeable incident will be the subject of strict investigation.

THE LARGEST OF LAND ANIMALS .-In the American Journal of Science and Arts, Prof. Marsh describes the largest land animal yet known to have existed on the globe. Its name is Atlantosaurus immanis. The thigh bone of this creature is over 8 feet long, with a thickness at the larger end of 25 inches, though the bone has no true head. A comparison of this bone with the femur of a crocodile would indicate that the fossil saurian, if of similar proportions, had a total length of 115 feet. That the reptile was 100 feet long when alive is at least probable. The other bones of this animal that have been found are proportionately gigantic; caudal vertebra has a transverse diameter of more than 16 inches. All the bones of this reptile yet discovered are in the Yale College Museum. They are from the Upper Jurassic of Colorado.

The Audiphone is a great boon to the deaf. By its means deaf-mutes, who could not hear a sound, are learning At 6.45 p. m.-Express for St. John and both to hear and to speak. It is said to be in successful operation in six deaf and dumb institutes in the United States. The whole system employed in these asylums is completely revolutionized. It is certainly a grand work to open up a new world to those who have never before heard a sound, and to restore to them the use of a lost sense. From the reports we have seen, there can we think, be no doubt as to the reality and value of the invention, and thousands of afflicted ones will be eager to test its capabilities.

Ohio has enacted a "stove law" for railaoads, which provides that all railway companies shall provide such stoves for their cars as will, if upset, be selfextinguishers.

THE HOUSEHOLD

Potted Beef.—Take cold boiled this way the udder will be cultivated to | beef (the lean half of the round is best the capacity of a full milk cow. If adapted for the purpose,) remove all there is a demand for the milk or the the skinny parts, mince it fine, and cream, the calf can soon be fed on skim | pound it in a mortar with fresh butter milk, and kept in the most thrifty con- till quite smooth, seasoning with nntdition by adding gruel made of oil cake, meg, black pepper, cayene, a little mace, corn, and oatmeal. This is work. All and salt if requisite. Press it very right. If one were to judge of the idle | closely into small flat pots : clarify some farmers seen nearly every day standing fresh butter, and pour over the top, and on our streets, there is need for more when cold, paper as jams and jelly,

> LEAVES OF RHUBARB, -Ever since I tasted in Brussels seven years ago, a delicious dish which can be made from rhubarb leaves, I have urged upon all my friends to try it, and it has been almost universally appreciated by those who like spinach, as, when properly younger one's only should be used; larly to spinach. After boiling, they then served up either with a little butter on toast or with rich brown

BEANS WITHOUT PORK .- Soak the beans over night. In the moruing put them on to boil in cold water, having first strained them. When boiled ten-



Cattle, Milch Cows, Sheep, Pigs and Poultry. Horses,

The OBJECT of this FEFD is to prevent disease, to put and maintain animals in a healthy condition, and to economize feed. All the ingredients composing this FEED are certain health-giving Herbs, Seeds and Roots, which cannot be obtained by animals that are stall-fed. A varied diet is as necessary to the horse or any other animal as it is to man.

DIRECTIONS FOR FEEDING.

Horses. - At each time of feeding mix half pint of the Feed with the usual quanyou can deduct one-fourth part of the every four animals. usual grain feed. Discard all bran when using MANHATTAN FEED.

Cows.-At each time of feeding mix at or meal for each hog. the rate of six pints for every dozen cows, with their usual feed, and in two weeks in a peek of their usual food. you will be surprised at the large increase of one feed is enclosed in every bag. of milk and butter.

BULLOCKS.-Mix same as for Cows. CALVES AND LAMBS.—at each time o tity of corn or oats. In a shorttime your feeding mix half pint of the Feed with horse will be in a perfect condition, when the usual quantity of milk or oatmeal for

> half pint of the Feed with the usual swill POULTRY.-Mix half a pint of the Feed

PRICES.

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.

FRASER, GEORGE

INTERCOLONIAL RAILWAY.

SUMMER ARRANGEMENT.

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

At 8.25 a. m.—Express for St. John, Pic-At 12.15 p.m. - Accommodation for Pictou. At 5.30 p. m.-Accommodation for Truro. Quebec.

WILL ARRIVE :-

from St. John.

At 7.45 p. m.-Express from St. John. June 8, 1880.



For Halifax Time add 16 minutes.

Miles.	GOING	WEST	Express Daily.	Freight, Mon., Wed.	Pass. & Frgt. Daily.
	Halifax	Leave	A. M. 7 45	9 00 P.M.	P. M. 3 00
71	Windsor. Wolfville. Kentville, Do. Berwick.	Arrive Leave	11 05 11 36	12 30 1 36 2 00 2 30	6 10 7 13 7 35
102	Middleton. Annapolis.	Arrive	P. M. 12 23 1 40	4 53	
th.	St. John,	do	7 30	17	
es.	GOING	EAST.	and Freight Daily.	and Freight day, Thursday Saturdays only.	rpress Daily.

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Miles.	GOING	EAST.	Pass. and Freight Daily.	Pass. and Freight Tuesday, Thursday and Saturdays only.	Express Daily.
1	St. John,	Leave	A.M.	A. M.	. 8 00
28	Annapolis, Middleton.	Leave		6 30 8 20	P. M. 2 10 3 27
47	Berwick.	Arrive		9 46	The state of the s
99	Kentville,	Leave		11 15	4,57
66	Wolfville.		7 02	P.M.	5 18
	Windsor,	Arrive		1 15	
130	Halifax	Arrive	11 00	4 30	8 10

Monday, Wednesday and Friday for Digby and Annapolis, and leaves Annapolis on arrival of Express Train from Halifax at 1.40 p. m. every Tuesday. Thursday and Saturday for Digby and St. John.

HALIFAX and CAPE BRETON BAILWAY.

Leaves Antigonish at 9 a.m., and New

Western Counties Railway.

Leaves Digby on Tuesday, Thursday, and Saturday at 3.30 p. m., and at 12.15 p. m. on Monday, Wednesday and Friday.

Arrives at Yarmouth Tuesday &c., at 7 p. m., and on Monday &c., at 4.15 p. m. MAGISTRATES BLANKS ALWAYS ON HAND

Hogs.—At each time of feeding mix

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Prepared only by MARSDEN & CO., 698 Craig St. Montreal. GENERAL AGENT FOR THE MARITIME PROVINCES-

76 Granville St., Halifax.

Articles and Covenant \$1.00 per 100.

tou, and intermediate places.

At 9.45. a. m. - Accommodation from

At 10.45 a. m., -Express from Quebec and At 2.50 p. m.-Accommodation from Pic-

Summer Arrangement,

- 1	St. John,	do	7 3	30	10	1
Miles.	GOING	EAST.	Pass. and Freight	Daily.	Pass. and Freight Tuesday, Thursday and Saturdays only.	[-7
1	St. John,	Leave	A.	M.	A. M	A.M. 8 00 P.M.
	Annapolis, Middleton.	Leave			6 30	$\begin{bmatrix} 0 & 2 & 10 \\ 0 & 3 & 27 \end{bmatrix}$
	Berwick. Kentville,	Arrive			9 4	0 4 47
66	wolfville.	Leave		35 02		5 5 18
	Windsor, Halifax	Arrive		20 00	1 1	5 6 13

Glasgow at 1.45 p. m. Arrives at New Glasgow at 11.30 a. m., and at Antigonish at 4.15 p. m.

Train leaves Yarmouth daily at 7.45 a. m., and arrives at Digby at 11.15 a. m. on Monday, Wednesday and Friday; and at 11.45 a. m., on Tuesday, Thursday and

BAPTIST CHURCH REQUISITES.

Church Record and Register \$2. and \$3 Alphabetical List of Members 40 cents each.

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.

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

INFANTS AND INVALIDS,

Is all and a great deal more than we have claimed for it. It is simply a HIGHLY 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 FOR INFANTS AND INVALIDS, is all they can desire. It is carefully put up in four sizes.

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 Ridges Food, Pick-me-up Bitters, &c., with a well-assorted stock of Pure Drugs. April 17

Nova Scotia Book Bindery, Corner Granville & Sackville Streets.

BOOK BINDERS, PAPERS RULERS, BLANK BOOKS, Manufacturers, Perforaters, Steam Machine PAPER BAG Manufacturers. Cheapest in the Market.

KIDDER'S PASTILLES. Price 35 cts. by mail. STOWELL & CO. Feb. 25.

DHUSHCAL.

GATES BROS. Manufacturers of ORGANS AND PIANOS,

Organs from \$75 and upwards. Warranted for 7 years. Pianos \$200 and upwards. The usual discount to Clergymen, Churches, Teachers and Societies.

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