The Messenger Almanac.

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THE TIDES.—The column of the Moon's Southing gives the time of high water at 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 min-utes 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

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.



1879 WINTER ARRANGEMENT 1879

TRAINS leave Halifax daily (Sunday

▲ 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

At 8.30 p. m.—Express from St. John, and Dec. 3, 1879.

Windsor and Annapolis Railway.

Winter Arrangement, Commencing 4th Dec., 1879.

					-
Miles.	GOING V	WEST	Express Mon., Wed. and Saturday only.	Freight, Tues., Thu., and Friday only.	Pass. & Frgt. Daily.
45 64 71 83	Halifax Windsor. Wolfville. Kentville, Do. Berwick. Middleton. Annapolis.	Leave Arrive Leave	A. M. 7 30 9 30 10 24 10 45 11 00 11 32 P. M. 12 20 1 45	7 30 10 30 11 30 12 00 P.M. 12 30 1 18 2 30	P. M. 2 44 5 45 6 53 7 15
-	St. John,	do	7 30		
Miles.	GOING	EAST.	Pass, and Freight Daily.	Pass. and Freight Tuesday, Thursday and Friday only.	Express Mon. Wed
47	St. John, Annapolis, Middleton. Berwick. Kentville,	Leave Arrive	e	7 30 9 23 10 45	8 00 P. M 2 13 3 38 4 27 5 00
84	do Wolfville. Windsor, Halifax	Arriv Arriv	7 07 e 8 28	P.M. 12 30 5 2 00	5 3

Steamer " Scudd " leaves St. John every 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. Western Counties Railway.

Leaves Yarmouth daily at 7.45 a. m., and arrives at Digby at 11.45 a.m. Leaves Digby on Monday, Wednesday and Saturday at 4.00 p. m., and on Tuesday, Thursday and Friday at 12.45 p. m.

Arrives at Yarmouth Monday &c., at p. m., and on Tuesday &c. at 4.45 p.m. skin, and leaving it is external cold.

Fifteen miles of new to be a laid in Memphis.

THE HOUSEHOLD

ECONOMY IN USING SUGAR. - Many housekeepers waste a very large amount of sugar by heating it with acid no unusual thing for a cook to place con- to this valuable production :siderable sugar in sour fruits that are being heated and to stir it into the mass | making quite a sensation among the from time to time as the cooking pro- farmers of Minnesota, from the perfect ceeds. On tasting some of the substance success which they have met with in being cooked it seems sour, and more the manufacture of both syrup and that three times the amount of sugar is were made from it in Minnesota in 1878 employed that is necessary to impart and this season a single-firm has sent the desired degree of sweetness. The to market 43,000 lbs. of sugar. It has sweet cane sugar when boiled with a di- been experimented with in Massalute acid becomes converted into grape | chusetts on a large scale, and the results sugar, which is far less sweet. If have been most satisfactory; so I think sugar is added to acid substances after it may now safely be said, that after they are completely cooked, or what is many years experiment and hosts of a much smaller amount is required, hum er Imphee in the Early Amber, If applied at that time it will remain cane Otaheitan, a grand success has been sugar. A smaller amount of sugar is re- reached at last. Having been grown that are cold than those that are hot. successfully raised in almost every por-Parrsboro, Cornwallis, Horton, Hantsport, Coffee and tea are sweetened to the purity. best advantage by dissolving the sugar together with a spoon before the hot excellent cooking sugar from each acre drink is poured in the cup.

> eggs; make two pies. Make a rich as for corn. pastry for bottom crust and bake; beat juice and brown in a quick oven. Do not put on the meringue until the pies

COLD SAUCE.—To one tablespoonful of crushed sugar add four of butter; work butter to cream; add sugar and pineapple flavoring, and put on plate in pyramid shape; work pineapple style with point of small teaspoon; grate nutmeg over it and serve.

EGG DROPS FOR SOUP.—Work two ladles of flour with milk into a smooth paste; into this, beat three eggs, one at a time, and as much milk as will reduce the paste to the consistency of batter; drop into the soup in small bits, and boil five minutes.

FOR FLY-TIME.—To prevent flies from injuring picture frames, glasses, etc.: -Boil three or four onions in a pint of water; then with a gilding brush do over your glasses and frames, and the flies will not alight on the article so washed. This may be used without apprehension, as it will not do the least injury to the frames.

HEALTH HINTS.

How PEOPLE GET SICK.—Eating too much and too fast; swallowing imperfectly masticated food; using too much fluid at meals; drinking poisonous whiskey and other intoxicating drinks; of additional attendance, which was repeatedly using poison as medicines; \$600 on the sixty cows. He thinks keeping late hours at night and sleeping late in the morning; wearing clothing too tight; wearing thin shoes; neglecting to wash the body sufficient to keep the pores open; exchanging the warm clothes worn in a warm room during the day for costumes and exposure incident to evening parties; compressing the stomach to gratify a vain up constant excitement; fretting the mind with borrowed troubles; swallowing quack nostrums for every imaginary complaint; taking meals at irregular intervals, etc.

ALCOHOL AND THE WEATHER .-When a man takes a glass of spirits and water he feels warmed, but the sensation, remarks the Lancet, is the direct result of nerve-stimulation, which means nothing in the way of heat. Unless food is taken with alcohol, there is no addition to the stock of nutrient fuel. The spirit passes away, and leaves the bean plant, planting must be delayed in organism colder instead of warmer for its imbibition, unless, as we have said, food be taken at the same time. The notion of keeping the "cold out" by a glass of warm spirits is wholly illusory. The effect produced when the potion in six, the late kind in eight weeks. seems to do good, is nervous and mental. In so far as it acts at all, the stimulant must do harm by relaxing the skin, and leaving it more exposed to

Fifteen miles of new sewers have

AGRICULTURE.

Early Amber Sugar Cane.

Gregory's Catalogue, Marblehead, fruits and other sour substances. It is Mass, contains the following in reference

This new variety of sugar cane is sugar is added. It is often the case sugar. Over 200,000 gallons of syrup better still, after they have become cold failures, with several varieties of Sorgand the result is far more satisfactory. which is the most improved form of quired to properly sweeten substances with success in Lat. 44.30, it can be This may be noticed by adding sugar tion of the Northern States. The yield to cream intended for freezing. Near- per acre of syrup is from 140 to 280 ly twice as much will be required to gallons, and the produce of sugar is properly sweeten cream that is hot than about 6 lbs. to the gallon of syrup. My that which has commenced to freeze. seed has been especially selected for

Says the St. Paul Pioneer: Mr. used with the cream by stirring them | Miller actually raised 900 pounds of of ground.

Besides this there is left some five Cocoanut PIE.—One pint grated or six pounds of syrup from each gallon cocoanut, one quart milk, four eggs, half pound sugar; boil milk, put in cocoanut and sugar, add yolks of the The cultivation required is the same and sugar, and Skin Diseases, Bil-FOR THE LENGTH OF THE DAY.—Add 12 | cocoanut and sugar, add yolks of the | The cultivation required is the same

> With every package of seed I will the whites to a stiff froth; add a cup of | send a sample of the sugar made from powdered suger; flavor with lemon this new sugar cane. My seed is selected with special care for purity.

> > Per lb. by mail, postage paid by me, 40 cents; per qr. lb., 15 cents; per package, 10 cents. The standard work of Mr. I. A. Hodge, giving full instructions for the manufacture of sugar, sent to any address for \$1.

USES OF SOOT IN THE GARDEN. Soot is valuable for the ammonia which it contains, and also for its power of reabsorbing ammonia. The creosote it contains is valuable as an insect dessroyer, and as a fertilizer of all garden | they stimulate the digestive organs and crops. If the soil is dry, a little common household salt may be mixed with soot. Lime and soot should never be mixed together; lime destroys the ammonia. Soot that has been steeped in water for two or three days is as good a fertilizer as horse-hoof parings tions within their range can rarely withfor houseplants, and increases the vividness of the bloom of flowers in the open air. Soot and salt in connection with compost—one quart of salt to six quarts of seot—is an excellent fertilizer for asparagus, onions, cabbage, &c. Two bushels of compost makes a heavy dressing for each square rod of ground, to be worked into the surface of the soil. -Gardening Illustrated.

VALUE OF COOKED STALKS .- When Mr. A. began cooking, almost seven years ago, he found that he saved \$10 on the food of each cow above the cost he saves more now. The milk given by them is as copious and as rich as when on the best pasture in summer. It is as rich as when they are fed with carrots; the same uniform supply continues the year round. The cut stalks which, when dry, are stiff and harsh, became soft, sweet and delicious by steaming. The condensed steam, unand foolish passion for dress; keeping der the slatted floor of the steam-box is strongly mixed with the juices, from the stalks, and is used to feed calves, after being properly salted; the calves are never allowed to run on the fresh grass of meadows after morning. Dry hay is fed twice a day to the cows as a

> Beans are most frequently grown on poor land, yet, like every other vegetable, they are more profitable if grown on highly cultivated land. As the slightest frost is sufficient to kill the the spring until all danger from frost is over. Plant from the 10th to the 20th of May, and on to the last of August for the North and into September for the South. The early varieties mature

Slugs may be captured in large numbers by placing handfuls of bran at intervals of eight or ten feet along the borders of garden walks. The slugs are attracted to the bran, and in the morning may be collected and destroyed.







Cattle, Milch Cows, Sheep, Pigs and Poultry.

The OBJECT of this FEED 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 quanhorse will be in a perfect condition, when you can deduct one-fourth part of the usual grain feed. Discard all bran when using MANHATTAN FEED.

you will be surprised at the large increase of milk and butter.

Bullocks.—Mix same as for Cows? 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 the usual quantity of milk or oatmeal for every four animals.

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Hogs.—At each time of feeding mix half pint of the Feed with the usual swill Cows.—At each time of feeding mix at the rate of six pints for every dozen cows, with their usual feed, and in two weeks in a peck of their usual food.

of one feed is enclosed in every bag.

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.

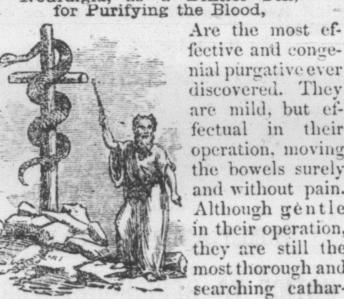
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March 3.

Ayer's Cathartic Pills, BAPTIST CHURCH REQUISITES.

iousness, Dropsy, Tumors, Worms, Neuralgia, as a Dinner Pill, for Purifying the Blood, Are the most ef-



nial purgative ever discovered. They are mild, but effectual in their operation, moving the bowels surely and without pain. Although gentle in their operation, they are still the most thorough and - searching cathar-

tic medicine that can be employed: cleansing the stomach and bowels, and even the blood. In small doses of one pill a day, promote vigorous health.

AYER'S PILLS have been known for more than a quarter of a century, and have obtained a world-wide reputation for their virtues. They correct diseased action in the several assimilative organs of the body, and are so composed that obstrucstand or evade them. Not only do they cure the every-day complaints of everybody, but also formidable and dangerous diseases that have baffled the best of human skill. While they produce powerful effects, they are, at the same time, the safest and best physic for children. By their aperient action they gripe much less than the common purgatives, and never give pain when the bowels are not inflamed. They reach the vital fountains of the blood, and strengthen the system by freeing from the elements of weakness.

Adapted to all ages and conditions in all climates, containing neither calomel nor any deleterious drug, these Pills may be taken with safety by anybody. Their sugar-coating preserves them ever fresh, and makes them pleasant to take; while being purely vegetable, no harm can arise from their use in any quantity. PREPARED BY

Dr. J. C. AYER & CO., Lowell, Mass., Practical and Analytical Chemists.
SOLD BY ALL DRUGGISTS EVERYWHERE.
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These Pianos were not got up for exhibition, but were our ordinary manufacture. We invite inspection of our instruments; all first class and warranted

to give satisfaction.

THE PRICES have been reduced to suit the times and will be found to compare favorably with those of any Bankrupt stock. Piano-Fortes, Cabinet and Church Organs Tuned and repaired.

Nov. 5, \$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.

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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 100.1 CHRISTIAN MESSENGER OFFICE, No. 69 & 71 Granville St., Halifax.

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 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

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