

The Messenger Almanac.

Table with columns for SUN, MOON, and High Tide. Rows list days of the month with corresponding times for sunrise, moonset, and high tide.

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

INTERCOLONIAL RAILWAY.

Table showing 1879 WINTER ARRANGEMENT 1879. Lists train routes between Halifax, St. John, Pictou, and other locations with departure and arrival times.

Windsor and Annapolis Railway.

Table showing Winter Arrangement, Commencing 4th Dec., 1879. Lists routes between Windsor, Annapolis, and other locations.

Table for GOING WEST. Lists routes from Halifax to Kentville, Berwick, and other locations with departure times.

Table for GOING EAST. Lists routes from St. John to Annapolis, Kentville, and other locations with departure times.

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.

THE HOUSEHOLD

ECONOMY IN USING SUGAR.—Many housekeepers waste a very large amount of sugar by heating it with acid fruits and other sour substances. It is no unusual thing for a cook to place considerable sugar in sour fruits that are being heated and to stir it into the mass from time to time as the cooking proceeds.

COCONUT PIE.—One pint grated coconut, one quart milk, four eggs, half pound sugar; boil milk, put in coconut and sugar, add yolks of the eggs; make two pies. Make a rich pastry for bottom crust and bake; beat the whites to a stiff froth; add a cup of powdered sugar; flavor with lemon juice and brown in a quick oven. Do not put on the meringue until the pies are cool.

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 pictureframes, 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; repeatedly using poison as medicines; 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 and foolish passion for dress; keeping 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 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 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 external cold.

Fifteen miles of new sewers have been laid in Memphis.

AGRICULTURE.

Early Amber Sugar Cane.

Gregory's Catalogue, Marblehead, Mass., contains the following in reference to this valuable production:— This new variety of sugar cane is making quite a sensation among the farmers of Minnesota, from the perfect success which they have met with in the manufacture of both syrup and sugar. Over 200,000 gallons of syrup were made from it in Minnesota in 1878 and this season a single firm has sent to market 43,000 lbs. of sugar. It has been experimented with in Massachusetts on a large scale, and the results have been most satisfactory; so I think it may now safely be said, that after many years experiment and hosts of failures, with several varieties of Sorghum or Imphee in the Early Amber, which is the most improved form of Otahaitan, a grand success has been reached at last.

USES OF SOOT IN THE GARDEN.—Soot is valuable for the ammonia which it contains, and also for its power of re-absorbing ammonia. The creosote it contains is valuable as an insect destroyer, and as a fertilizer of all garden 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 for 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 soot—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 of additional attendance, which was \$600 on the sixty cows. He thinks 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, under 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 change.

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 bean plant, planting must be delayed in 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 in six, the late kind in eight weeks.

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

THE MANHATTAN FEED, A NUTRITIOUS CONDIMENT FOR Horses, 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 quantity of corn or oats. In a short time your horse 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. 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 you will be surprised at the large increase of milk and butter.

GEORGE FRASER, 76 Granville St., Halifax. Ayer's Cathartic Pills, For all the purposes of a Family Physic, and for curing Costiveness, Jaundice, Indigestion, Poul Stomach, Breath, Headache, Erysipelas, Rheumatism, Eruptions and Skin Diseases, Biliousness, Dropsy, Tumors, Worms, Neuralgia, as a Dinner Pill, for Purifying the Blood.

SAVE 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 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.

TO INVENTORS AND MECHANICS. NO PATENT NO PAY. PATENTS and how to obtain them. Pamphlet of 60 pages free, upon receipt of Stamps for Postage. Address— GILMORE, SMITH & CO., SOLICITORS OF PATENTS, Box 31, Washington, D. C. Feb. 12.

MUSICAL. GATES BROS., Manufacturers of ORGANS AND PIANOS, Organs from \$75 and upwards. Warranted for 7 years. The usual discount to Clergymen, Churches, Teachers and Societies. Factory—MELVERN SQUARE, Annapolis Co. Sales Room 120 GRANVILLE STREET, Near Province Building, Halifax. ENCOURAGE HOME MANUFACTURES. Save Duty and High Commissions. Keep the money in the country. C. E. GATES, Musical Department, G. O. GATES, Manufacturing, W. J. Gates, Manager. Oct. 1.

Fraser & Sons, 82 & 84 Barrington Street, Halifax, N. S. EXHIBITED SQUARE AND UPRIGHT PIANOS, —And were Awarded— DIPLOMA AND HIGHEST PRIZE. 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 \$66 and \$5 outfit free. Address H. HALLETT & Co., Portland, Maine. May 28, 79. 1 yr.

BAPTIST CHURCH REQUISITES. Articles and Covenant \$1.00 per 100. Church Record and Register \$2. and \$3. each. 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 and \$2.25. Scripture Catechism, \$6.00 per 100. CHRISTIAN MESSENGER OFFICE, No. 69 & 71 Granville St., Halifax. April 15.

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