The Messenger Almanac.

DECEMBER, 1881.

Full Moon, December 5th, 1h. 9m. A. Last Quarter, "13th, 3h. 51m. A. New Moon. "21st, 0h. 53m. M.
New Moon, " 21st, 0h. 53m. M. First Quarter, " 27th, 4h. 27m. A.
B SUN. MOON. High Tide
W . Rise.Sets. Rises. South. Sets. at Halifax
1.11.
2 Fr. 1 20 1 10 9 1 10 99 1 47 5 17
3 58 7 95 4 16 9 50 11 92 5 52 6 14
5 M 7 26 4 16 4 41 M. 6 54 7 4
6 Tu. 7 27 4 15 5 36 0 15 7 49 7 48
7 W. 7 28 4 15 6 35 1 6 8 30 8 29
9 11. 1 00 1 1 0 01 1 10 10 99 10 91
10 08. 7 01 4 10 00 4 11 10 49 10 55
19 M 7 32 4 15 11 32 4 52 11 11 11 33
13 Tu 7 34 4 15 M 5 34 11 36 A. 16
14 W. 7 34 4 15 0 34 6 17 A. 0 1 1
15 Th. 7 35 4 16 1 34 6 59 0 24 1 54
16 Fr. 1 30 4 10 2 30 1 00 4 0
17 Sa. 7 37 4 16 3 43 8 33 1 23 4 9 18 Su. 7 37 4 16 4 52 9 28 2 4 5 11
18 Su. 7 37 4 16 4 52 9 28 2 4 5 11 19 M. 7 38 4 17 5 57 10 25 2 53 6 8
90 Tu 7 38 4 17 6 59 11 25 3 51 6 56
21 W . 7 39 4 18 7 55 A. 26 4 57 . 7 44
22 Th. 7 39 4 18 8 41 1 26 6 11 8 31
23 Fr 7 40 4 19 9 21 2 24 7 27 9 10 5
24 58 1 10 4 15 5 50 10 51
20 50. 1 11 4 20 10 20 2 20 11 0 11 38
20 M 7 11 4 21 10 00 5 50 M
00 W 7 49 4 93 11 54 6 42 0 20 0 30
20 Th. 7 42 4 23 A. 27 7 32 1 39 1 23
30 Fr., 7 42 4 44 1 4 8 23 2 37 2 23
31 Sa 7 42 4 25 1 47 9 16 3 42 3 37

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. 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.

obtained for Inventors, in the United States, Canada, and Europe, at reduced rates. With our principal Office located in Washington, directly opposite the United States Patent Office, we are able to attend to all Patent Business with greater promptness and despatch and less cost, than other patent attorneys, who are at a distance from Washington, and who have, therefore, to employ "associate attorneys." We make preliminary examinations and furnish opinions as to patentability, free of charge, and all who are interested in new inventions and Patents are invived to send for a copy of our "Guide for obtaining Patents," which is sent free to any address, and contains complete instructions how to obtain Patents, and other valuable matter. We refer to the German-American National Bank, Washington, D. C.; the Royal Swedish, Norwegian, and Danish Legations, at Washing on; Hon. Jos. Casey, late Chief Justice, U. S. Court of Claims, to the Officials of the U. S. Patent Office, and to Senators and Members of Congress from every State. Address: LOUIS BAGGER & CO.,

Solicitors of Patents and Attorneys-at-Law, LeDroit Building, Washington, May 1.

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.



1879 - Provincial Exhibition - 1879

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.

Piano-Fortes, Cabinet and Church Organs Tuned and repaired. Nov. 5,

"CUSTOM TAILORING." H. G Laurilliard,

119 HULLIS STREET, HALIFAX, N. S. Agency for New York Fashions

AGRICULTURE.

HOW TO TELL A GOOD POTATOE .-Here is a good place in which to impart what is a secret to the vast majority of people, and it is one well worth knowing. It is simply how to tell a good potatoe; that is, as well as it can be done without cooking it, for sometimes even experts are deceived. Take a the exposed surfaces. It there is so the requisite qualities for a good potais a deep yellow the potatoe will not cook well; there must be a considerable amount of moisture, though not too two edges and upon the two surfaces; the more starch, and consequently froth, the better the potatoe, while the The strength of the starch element can be tested by releasing the hold upon very good sign. These are the ex- lunch-basket .- Milwaukee Republican. periments generally made by experts, and they are ordinarily willing to buy on the strength of their turning out well, though, as stated above, these tests are by no means infallible.—San Francisco Catl.

HANDLE DIARY STOCK KINDLY .-It is important that dairy stock, from the young calf to the old cow that is being fed for beef, should be handled and treated kindly. If a calf is handled roughly and becomes wild and vicious thereby, when it becomes a cow you may expect the same, but if handled carefully and treated with kindness, when grown up she will be mild and gentle. It may not always be so, but general it is. There have always been many cows spoiled by the person having the care of, and milking them. by whipping or frightening them whenever they come in his way, or if when milking, a cow hoists her foot or kicks (which is generally caused by pain), such a fellow stops milking and commences whipping, or worse, kicking the cow, and she becames enraged holds up her milk, kicks back, and is finally ruined. Never whip a cow for kicking, if she does kick the milk-pail out of your hand and sometimes upset and knock you over; but be kind and gentle with her, and milk her out with as little excitement as possible, and it she gets over her kicking propensity, it will be by mild not harsh treatment. Never whip a cow because she kicks, for it will do no good, but will do a great deal of harm.

FAST WALKING HORSES .- It would seem to be about time for breeders of horses to turn their attention towards the very valuable quality of fast walking. Millions are wasted yearly on the fast trotters, which are of no benefit to the farmers; while not a cent goes for the development of fast walkers. Yet a fast walker is a prize. One of our neighbors has a fine gray gelding that made five and a half miles in one hour and ten minutes, a few days since, with a good load behind him. This speed ought to be the rule instead of the exception among farm horses. Let the managers of our agricultural societies offer prizes for this quality, and see how the fast walkers would come to the

SCIENCE.

BEAUTIFUL SCIENCE. - Astronomy is a beautiful science. We are told that if a railway was run from the earth to the nearest fixed star, and the fare only one penny for every hundred miles, and if you were to take a mass of gold to the ticket office equal to the national debtor \$3,800,000 000-it would not be sufficient to pay for a ticket to the nearest fixed star aforesaid.

STORING HEAT--Coal is called by Emerson a portable climate, but it is cumbersome in its coal state. The common process of using it is not adapted to travel in the lighter vehicles of the day. The attempt to warm street cars has not been successful. For a long ride in a carriage nothing better, as a source of warmth, has been found than a brick of clay, which does n t retain heat long. In a walk of a cold day, the fingers suffer, with what- on in despair. - Burke.

ever coverings. At last a mode of extracting the climate from coal, and using it where stoves are impracticable has been discovered. Salt reduces the temperature of water -- a fact of importance to the makers of ice-cream. Water, the temperature of which has been reduced by salt, will absorb more heat before it will boil than water the temperature of which has not been so reduced. By experiment, Prof. Tomsound potatoe, and paying no attention linson has discovered that water satuto the outward appearance, divide it into rated with the acetate of soda will not two pieces with your knife and examine | boil at 212°, but at 256°. An enterprising scientist has taken advantage of much water or "juice" that seemingly this discovery to invent a "heater" a slight pressure would cause it to fall which can be used in a lady's muff, or off in drops, you may be sure it will be as a foot-warmer. A flask made of " soggy " after it is boiled. These are thin brass is filled with the salt, and the mouth sealed up. It is then suspended toe, which must appear when cut in in boiling water long enough to absorb two: for color, a yellowish white; if it all the heat it can-from five minutes to an hour, according to the size. This flask will retain heat about four times as long as boiling water. A foot-warmer much: rub the two pieces together and which registered 153° on being removed a white froth will appear around the from the hot water was found to register 111° at the end of eleven hours. Durthis signifies the presence of starch, and | ing the act of cooling the salt undergoes crystalline changes which evolve latent heat; after two hours' removal from the less there is, the poorer it will cook. source of heat, the temperature of this heater was raised 6° by its own inner forces. The uses of this invention may one piece of the potatoe, and if it still be numerous-not the least important clings to the other, this in itself is a is that of keeping a dinner warm in a

THE HOUSE.

SEASONING FOOD.—Many people have an idea that a finely-flavoured dish must cost a great deal; that is a mistake. It you have untainted meat or sound vegetables, or even Indian meal to begin with, you can make it delicious with proper seasoning. One reason why French cooking is much nicer than any other is that it is seasoned with every variety of herbs and spices. These cost very little. If you buy a few cents' worth at a time you will soon have a very good assortment. The best kinds are sage, thyme, sweet marjoram, tarragon, mint, sweet basil, parsley, bay leaves, cloves, mace, celery-seed, and onions. If you wish to plant the seed of any of these first seven mentioned in little boxes on your window-sill, or in any sunny spot in your yard, you can generally raise all you need. Gather and dry them as follows:—Parsley and tarragon should be dried in June, just before flowering; mint in Juce and July; thyme, marjoram, and savory in July, August, and September; all herbs should be gathered in the sunshine and dried by artificial HALIFAX and CAPE BRETON heat. Their flavour is best preserved by keeping them in air-tight tin cans, or in tightly-corked glass bottles.

TO GET A FULL MILK PAIL -We assume that the cow is properly fed. Lacking this condition no cow can milk as she ought, says the London Live Stock Journal. But careful feeding seems to have but little influence on the milking properties of some cows; they lay on flesh instead. Yet as they have first of all to live, before they can think of giving much milk, or in fact any milk at all worth speaking of, and as about two-thirds of the food they have an appetite for, goes to sustain the offices of life, it is clear that underfeeding will not lead to a profit. This is a proportion well enough established, and it appeals alike to our judgment and interest. Yet, after all, breed is of the first importance, because without it good feeding is of small effect on the every year by improper or insufficient milk pail; but if we have both breed food. Remember, and feed, the pail will overflow-if we let it. Breed, then, is first; food next, then good milking by hand, kind treatment, shelter from the storm and all that.

HEALTH HINTS

FOR CHILBLAINS .- Take of lard, nine ounces, oil almonds three and a half ounces, white wax one and a half ounces, camphor, powdered, one and a half ounces. Mix and apply to the chilblains.

To cure sore throat.—Dissolve one drachm chlorate of potash in half a pint of water, and gargle the throat therewith; a few applications will allay inflammation. It is well to keep in every house a good sized vial of water with more chlorate of potassa in it than will dissolve. The clear liquid is then always of uniform strength, ready for use-a teaspoonful at a time, gargling it against the inflamed tonsils.

NEVER despair ; but if you do, work

INTERCOLONIAL RAILWAY.

WINTER ARRANGEMENT.

TRAINS leave Halifax daily (Sunday excepted) as follows:—

(Halifax time.) At 8.30 a. m.-Express for St. John, Pic-

At 1.15 p.m. - Accommodation for Pictou. At 5.30 p. m.-Accommodation for Truro. At 3.00 p. m.-Express for Quebec. WILL ARRIVE :-

At 9.15. a. m. - Accommodation from At 12 15 a. m., - Express from Quebec and from St. John. At 2.50 p. m.—Accommodation from Pic-At 8.30 p. m.—Express from St. John. Nov. 24, 1880.

Windsor and Annapolis Railway.

Winter Arrangement-Commencing Monday, Nov. 21st, 1881. The following is according to Railway Time. Halifax time is 15 minutes later.

Miles.	GOING WEST	Express Mon.		Passengers & Daily.		Pass, & Frgt.	
	Halifax Leave	A. 7	M.	Δ.1	M.	P. 3	M. 00
	Hamax Leave		40	P.	45 M.	0	00
46	Windsor.	9	40	100000000000000000000000000000000000000	55	6	15.
	Wolfville.	10	30	12	02	7	17
	Kentville,	10	50	12	30	7	40
	Berwick.	111	36	1	43		
		P.	M.				2733
102	Middleton.	12	23	2	58		53-1-1
130	Annapolis. Arrive	1	40	5	00		0.00

lau	Anuapoils. Arrive	1 411	a no	200
	St. John, do	7 30		1.
		Freight y.	Freight y.	on Wed.
	GOING EAST.	and	and	Sat
Miles		Pass.	Pass.	Expressand
	St. John, Leave	100 mm - 1,000 m 1000	A. M.	A.M. 8 00 P.M
28	Annapolis, Leave	L 8	7 15 8 08	2 20 3 42
59	Berwick. Kentville, Wolfville.	6 80 6 57	12 52	5 12
	Windsor, Halifax Arrive	8 15 11 00	P.M. 2 30 5 22	6 27 8 25

Steamer "Scud" leaves St. John at 8 a.m. every Monday, Wednesday and Saturday for Digby and Annapolis, and returns same day, on arrival of Express Train from Hali-

RAILWAY.

EXPRESS leaves New Glasgow at 2.15 connecting with Halifax Morning Express, arriving at theStrait of Canso at

EXPRESS leaves the Strait of Canso at 8.00 A. M., arriving at New Glasgow at 12.25 P. M., connecting trains for Halifax and St. John.

ATTOTAL SECTIONS Western Counties Railway,

Train leaves Yarmouth daily at 7.45 m., and arrives at Digby at 11.45 a. m. Leaves Digby on Monday, Wednesday, and Friday at 1.00 p. m. Arrives at Yarmouth at 5.00 p. m. On Tuesday, Thursday and Saturday at 3 30 p.m. Arrives at Yarmouth at 7.30 p. m.

For it is sadly too true that thousands of children are STARVED TO DEATH

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

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.



Cathartic Pills

Combine the choicest cathartic principles in medicine, in proportions accurately adjusted to secure activity, certainty, and uniformity of effect. They are the result of years of careful study and practical experiment, and are the most effectual remedy yet discovered for diseases caused by derangement of the stomach, liver, and bowels, which require prompt and effectual treatment. Ayen's Pills are specially applicable to this class of diseases. They act directly on the digestive and assimilative processes, and restore regular healthy action. Their extensive use by physicians in their practice, and by all civilized nations, is one of the many proofs of their value as a safe, sure, and perfectly reliable purgative medicine. Being compounded of the concentrated virtues of purely vegetable substances, they are positively free from calomel or any injurious properties, and can be admin-istered to children with perfect safety.

Ayer's Pills are an effectual cure for Constipation or Costiveness, Indigestion, Dyspepsia, Loss of Appetite, Foul Stomach and Breath, Dizziness, Headache, Loss of Memory, Numbness, Biliousness, Jaundice, Rheumatism, Eruptions and Skin Diseases, Dropsy, Tumors, Worms, Neuralgia, Colic, Gripes, Diarrhoa, Dysentery, Gout, Piles, Disorders of the Liver, and all other diseases resulting from a disordered state of the digestive apparatus. As a Dinner Pill they have no equal.

While gentle in their action, these PILLS are the most thorough and searching cathartic that can be employed, and never give pain unless the bowels are inflamed, and then their influence is healing. They stimulate the appetite and digestive organs; they operate to purify and enrich the blood, and impart renewed health and vigor to the whole system.

Prepared by Dr. J. C. Ayer & Co., Practical and Analytical Chemists,

Lowell, Mass. SOLD BY ALL DRUGGISTS EVER WHERE. BROWN & WEBB, Halifax, Wholesale Agents.

ORGAN DEATTY PIANO New Pinnos, Stool, Cover & Book, \$143 to \$255. Before Address DANL, F. BEATTY, Washington, New Jersey.

UNION MUTUAL OF MAINE.

DIRECTORS' OFFICE: Boston, Mass., 153 Fremont St.

JOHN E. DE WITT, President.

WAS Chartered by the Legislature of the State of Maine, July 17, 1848.

Commenced Business October 1st, 1849. And up to January 1st, 1881, has issued over SEVENTY TWO THOUSAND POLICIES.

Has paid to the Widows and Orphans and Beneficiaries under its Policies, \$6,.

Has paid to Surviving Members under Endowment Policies and Annuities, \$1,-992,316.91. And has returned to its Policy-holders,

in the way of Dividends, \$3,936,668.04. And for Surrendered and Lapsed Poli-Total payment to Policy-holders, \$17,-

425,916.12 This is the ONLY Company that issues Policies giving the benefits of the MAINE .NON-FORFEITURE law, and specifying in definite terms by its Policy Contract, that there can be no forfeiture of the Insurance by non-payment of premium after three annual premiums have been paid, until the value provided for is exhausted in EXTENDED INSURANCE.

B. HOLLAND, Manager for Prov. of Ontario, 17 Toronto St., Toronto. C. M. BOSSE, Manager for Province of Quebec, 147 St. James St., Montreal. R. ROWE, Manager for Province of N. B., Oddfellows' Bldg., St. John. F. B. K. MARTER, Manager for Prov. of

N. S. and P. E. I., Queen's Ins. Bldg., Further information relative to the plans of the Company furnished on application at office, Hollis St.

March 23.

J. C. DUMARESQ, ARCHITECT.

Plans, Specifications, &c., of Churches, Country Residences, and all kinds of Buildings, prepared to order. OFFICE: JARVIS BUILDING,

Prince William Street, St. John, N. B.

THE CHRISTIAN MESSENGER

Is published every WEDNESDAY. Terms -Two Dollars a year, when paid in advance; if payment is delayed over three months \$2.25, when over six months \$2.50 POSTAGE PREPAID.

STEPHEN SELDEN, PROPRIETOR, Office No. 69 \$ 71 Granville Street, Halifax, N. S.

Printing of Books, Pamphlets, Cards, Handbills, Blank forms, &c., &c., on reasonable terms. MAGISTRATES BLANKS ALWAYS ON HAND