The Messenger Almanac.

MAY, 1881.

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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.

tine, 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

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 "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 Washington; 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, D. C. 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. April 15.

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Cheapest place in the City. COATS DYED and PRESSED for \$1.0% FEATHERS DYED ALL SHADES AND CURLED.

COATS, DRESSES. CURTAINS, SHAWLS, SACQUES, ETC., Dyed to look like New. JOHN HUBELEY, Proprietor.

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SCIENCE.

CEMENT FOR LEATHER .- One who nothing to equal the following as a clamp firmly.

a charcoal that lasts twice as long as. ordinary wood. For fuel it sells much higher than any kind of wood; indeed, a cord of it always brings the same as a ten of coal. The only objection to it as a fuel is that it creates such an intense heat as to burn out stoves more rapidly than any kind of coal, however bad.-Virginia City (Nev.) Enterprise.

LONG LIFE IN ANIMALS.—A tortoise died in England aged 220; another of 128 years of age. The pike, a kind of fish, has been said to live for 267 years, and the carp for 200 years. The gigantic salamander may live for a greatly prolonged period, and frogs and toads are long-lived animals. A toad has been kept thirty years without showing signs of age; and then died through an accident. Whales have been supposed to live from 300 to 400 years. The life of an elephant is said to extend beyond a hundred years, but if so there seems to be as yet no certain evidence. Birds, as creatures at once so warmblooded (and thus compressing, as it were, much life into a small period), might be expected to be short-lived. Yet parrots have been known to live upwards of a century, pelicans, geese and crows may exceed the period commonly alloted to man. A horse is generally old at thirty, and is never known to have attained twice that age. The life of a sheep is about fifteen years' duration, and that of a dog from fifteen to twenty. The lion called Pompey, which died in the tower of London, lived there for no less than seventy

THE HOUSE.

MINCED CRICKEN OR MUTTON WITH EGGs.-Take, if chicken, some of the white meat from the breast and remove all skin and outside parts-if mutton, an underdone slice or two from the leg, saddle or loin; mince it very finely; put into a stewpan with a little good gravy or beef tea free from fat flavour it, if liked, with a few herbs and spices, and simmer gently untill quite hot, but not boiling; then thicken it with a little butter and flour, and season to taste with pepper and salt. Put this mince on a small dish, and serve on the top a poached egg.

A saving woman at the head of a family is the very best savings-bank established. The idea of saving is a pleasant one; and if the women imbibed it at once, they would cultivate it and adhere to it; and thus, when they are not aware of it, they would be laying the foundation of a competent security in a stormy time, and shelter in a rainy. The best way to comprehend it is to keep an account of all current expenses. Whether five hundred dollars or five thousand dollars are expended annually, there is a chance to save something if the effort is made. Let the housewife take the idea, act upon it, and she will save something where before she thought it impossible. This is a duty, yet not a sordid avarice, but a mere obligation that rests upon women as well as men.

It is much easier to think right without doing right, than to do right without thinking right. Just thoughts may, and wofully often do fail of producing just deeds: but just deeds are sure to ing awake the enumeration might be beget just thoughts .- Hare.

AGRICULTURE.

A SILO OF BOARDS .- A correspondent has tried everything says that after an of the Massachusetts Ploughman writes: experience of fifteen years he has found | -An enterprising young farmer, Mr. Clemence, a neighbour of mine, concement for leather belting: common structed a silo of beards with tarred glue and isinglass, equal parts, soak for paper between, in one corner of his ten hours in just enough water to cover barn and cellar, twelve feet square and them. Bring gradually to a boiling twelve deep. Into this he put what At 8.30 a. m.-Express for St. John, Picheat, and add pure tannin until the corn fodder he had, and on top what whole becomes repy or appears like the rowen he had, filling the silo nearly white of eggs. Buff off the surfaces full. The latter was put in uncut. At 3.00 p. m.-Express for St. John and to be joined, apply this cement, and This was covered and weighted. About Thanksgiving time he opened it, and it was quite as fragrant as the sam-A WONDERFUL WOOD -- We have ple I showed you. When he came to in this State a wonderful wood known as | his corn fodder that was found to have "mountain mahogany." The trees do kept just as well as mine in a cement not grow large. A tree with a trunk silo. There was not a single pound a foot in diameter is much above the lost, and his cattle ate it ravenously, average. When dry the wood is about largely increasing the quantity of milk. as hard as boxwood, and being of a Does this not demonstrate the fact that very fine grain, might, no doubt, be a silo can be built of wood? He did used for the same purpose. It is of a not bank his up with earth, but he rich red color, and very heavy. When | shuts up his barn cellar in winter. I well seasoned it would be a fine materi- would say to the small farmer that al for the wood carver. In the early what has been done once can be done days it was used in making boxes for again. I do not believe that there shafting, and in a few instances for can be a cheaper way to press than shees and dies in a quartz battery. with stones, I presume ten loads Used as fuel it creates intense heat. It | would weigh twenty-five tons. All silos burns with a blaze as long as ordinary | should be so constructed as to be filled wood would last and is then found (al- easily, and so attached to the stable most unchanged in form) converted to that it can be easily thrown into it, otherwise the increase of labor required would decrease the profits.

> COTTON CLOTH FOR HOT-BEDS. -I have found cotton cloth a valuable protection for hot-beds and cold frames in the late spring, when more space is required, as the tomatoes, peppers, etc., are transplanted from time to time as their growth necessitates. I made toy frames four by eight feet, the ends being built up in the form of a gable roof, with a ridge-pole to which was tacked the cloth. This was made double at the centre, for greater strength, and wide enough to hang over the frame. It was secured by loops at the edge over wooden pins in the side of the frame. A dressing of linseed oil will make it more durable and nearly water-proof. The advantage it possesses over glass, besides its greater cheapness, are, that with it there is no danger from excessive heat either bottom or sun : that it requires but little attention, while on windy days the windward side may be closed and the other opened to the air and sun. Of course glass must be used for the seedbed except very late in the season; but for the last bed before going into the open ground, cleth (common sheeting)
>
> 8 a. m. every Monday, Wednesday and Saturday for Digby and Annapolis, and returns the same days, on arrival of 7.45 a. m. Express Train from Halifax. is much preferable,—Rural New Yorker.

Pears, plums, peach and cherry trees have been badly injured by the cold in some parts of the United States.

A celery garden of forty-six acres, believed to be the largest in the world, is cultivated in the suburbs of London, and produces annually about kalf a million plants.

VARIETIES.

A coloured preacher lately wished to quote the text, "The harvest is past, the summer is over, and we are not saved," but not being able to read he gave the gist of it thus, " De corn has been cribbed, dere ain't any more work, an' old Satan is still foolin' wid dis community."

Write your name in kindness, love, and mercy on the hearts of those with whom you come in contact, and you will never be forgotten.

Adam Smith defines a man as an animal that makes bargains. No other animal does; no dog exchanges bones with another dog.

The best dowry to advance the marriage of a young lady is when she has in her countenance mildness, in her speech wisdom, in her behaviour modesty, and in her life virtue.

The humours of the census will supply abundance of material for magazine articles. One very common jest has been to put down "temper" in the column of infirmities, in some cases against the name of the " wife." Such "heads of families" ought to have put "mean" against their own. One returned his wife as head of the family, and himself as an idiot for marrying her. In one house the paper was returned by the old woman at the head with the remark that no one had had a wink of sleep that night, imagining that by keep-

INTERCOLONIAL RAILWAY.

WINTER ARRANGEMENT.

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

tou, Quebec. At 1.15 p.m. - Accommodation for Pictou. At 5.30 p. m. - Accommodation for Truro.

WILL ARRIVE :-At 9.15. a. m. — Accommodation from

At 12.55 a. m., -Express from Quebec and from St. John. At 3.00 p. m.-Accommodation from Pic-

At 8.30 p. m.-Express from St. John. Nov. 24, 1880.

STATES AND A RESTRICT

Windsor and Annapolis Railway. Spring Arrangement—Commenc-

ing Monday, April 4th, 1881. The following is according to Railway

Time. Halifax times is 15 minutes later.

		Wed.,	and ily.	Daily.
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	Kentville,		11	05	12	50	7	40
	Berwick.	4	11	30	1	43		
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9	Berwick. Kentville, Wolfville.		6 30 6 57	10 58 12 30 12 58	
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Steamer "Empress" leaves St. John at

130 Halifax

Arrive 11 00 5 25 8 25

HALIFAX and CAPE BRETON RAILWAY.

Leaves Antigonish at 9 a.m., and New Glasgow at 2.30 p. m. Arrives at New Glasgow at 11.00 a. m., and at Antigonish at 4.30 p, m.

Western Counties Railway.

Train 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 at 12.30 p. m. on Tuesday, Thursday and Friday. Arrives at Yarmouth Tuesday &c., at 4.30 p. m., and on Monday &c., at 8. p. m.

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.

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April 17

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

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Ayer's Hair Vigor,

FOR RESTORING GRAY HAIR TO ITS NATURAL VITALITY AND COLOR.

It is a most agreeable dressing, which is at once harmless and effectual, for preserving the hair. It restores, with the gloss and freshness of youth, faded or gray. light, and red hair, to a rich brown, or deep black, as may be desired. By its use thin hair is thickened, and baldness often though not always cured. It checks falling of the hair immediately, and causes a new growth in all cases where the glands are not decayed; while to brashy, weak, or otherwise diseased hair, it imparts vitality and strength, and renders it pliable.

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The Vigor cleanses the scalp, cures and prevents the formation of dandruff; and, by its cooling, stimulating, and soothing properties, it heals most if not all of the humors and diseases peculiar to the scalp, keeping it cool, clean, and soft, under which conditions diseases of the scalp and hair are impossible.

As a Dressing for Ladies' Hair

The VIGOR is incomparable. It is colorless, contains neither oil nor dye, and will not soil white cambric. It imparts an agreeable and lasting perfume, and as an article for the toilet it is economical and unsurpassed in its excellence.

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

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