

The Messenger Almanac.

Table with columns for Day, SUN., MOON., High Tide. Lists dates from 1st to 30th with corresponding astronomical data.

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

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.

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.

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SCIENCE.

REMEDY FOR STINGS.—It is difficult to tell which are the best remedies for stings. There is so much difference in the effect upon different individuals, and upon different parts of the body, as well as in the depth a sting reaches, that remedies effectual in one instance will be useless in another.

CLEANING MICA.—The mica in stoves can be cleaned by taking equal parts of vinegar and water. Wash when a little warm. Wipe with a dry cloth. It will look nearly as good as when new.

FOR MAKING BOOTS WATERPROOF.—Lined oil, 1 part; mutton tallow, 1/2 lb. beeswax 1/2 lb.; melt and mix thoroughly together, and apply to the warm, dry leather with a brush.

WATERPROOFING CLOTH.—To make an umbrella cover waterproof, apply first a strong, hot aqueous solution of soap, then a solution of alum, sulphate of ammonia, or lead acetate (sugar of lead); again the soap solution, and finally wash with hot water.

Alum is one of the best additions to lime whitewash, which will then not rub off. When powdered chalk is used glue-water is also good; but would not do on surfaces exposed to the rain.

If to a strong solution of gum arabic measuring 8 1/2 fluid ounces, a solution of 30 grains of sulphate of ammonia dissolved in two-thirds of an ounce of water be added, a very strong mucilage is formed, capable of fastening wood together, or of mending porcelain or glass.

Victor Hugo, talking about age not long ago, confessed that the most disagreeable advance to him was that from thirty-nine to forty. "But," said a friend, "I should think it a great deal better to be forty than fifty." "Not at all," replied Hugo, "forty years is the old age of youth, while fifty years is the youth of old age."

Any fibrous material can be stuck to metal, whether iron or other metal, by an amalgam composed of good glue dissolved in hot vinegar with one third of its volume of white pine pitch, also hot. This composition, it is said, will give a sure and certain result.

The fossilized remains of an enormous mastodon were discovered recently at Newburg, New York State. They consisted of lower jaw, a complete foreleg, over a score of ribs, the spine, foot-bones, and other portions. The following measurements are given:—Skull, height 2ft. 5 1/2 in.; measurement between the eyes, 2ft.; length of upper jaw, 2ft. 4 in.; eye socket, 7 in. in diameter; foreleg including thigh bone, 7ft. long, weight 150 lb.

TO PREVENT NETS FROM ROTTING IN WATER.—Soften one lb. good glue in cold water, then dissolve it in ten gallons of hot soft water with one half lb. curd soap. Wash the nets in soft water, then boil them in this for 2 hours, press out excess of the liquid and hang up over night. The second bath consists of alum 2lb., water 5 gallons; heat nearly to boiling, and immerse the nets in this for about three hours, then press and transfer to a strong decoction of oak bark or a solution of sumac in warm water (water 5 gallons, sumac 3 lb.) and let them remain immersed in this for 48 hours, or longer if convenient.—Sci. American.

AGRICULTURE.

TRICKS OF HORSES.—A horse can be broken to stand for one to get into the carriage in this way. First and always be gentle. Only nervous excitable horses have such tricks, and whipping makes them crazy.

Harness the horse, but at first leave the carriage in the barn. Tie a cord around one forefoot, pass the other end over the girth. Take up the foot first with your hand, but once up hold it there with the cord; then drop the foot and lead him a few steps, and at the word "whoa," stop him; at the same time draw up the foot with the cord. In a short time you can walk behind him, driving by the reins, and bring him to stand by the word and the cord.

Now hitch him to a strong wagon, and hold up the foot by the cord; or better, if you have a man with you at first, let him hold up the foot while you get into the wagon and draw up on the cord. When you are ready to start, slacken the cord and drive on holding it all the time in your hand. He will soon learn that you are his superior.

A horse disposed to rear or kick can (if a young horse) be broken by tying the cord to a hind foot and passing it over the girth, tying the other end around the under jaw (it should never be drawn tight around the fool or jaw), giving just length enough for the horse to take a reasonable step. I have broken the worst kicker I ever saw in this way.—Congregationalist.

THREE MILKINGS A DAY.—The benefit of three milkings a day are summed up by a French dairy paper as follows: An experiment with three milkings a day, for eleven days, a cow gave 170 quarts of milk. With two milkings the same cow gave only 146 quarts in the same number of days. Moreover, analysis showed that the milk in the first case was richer in butter globules than that in the second case in the proportion of 4.1 to 3.5.

Top-dressing with manure is best done during the winter. In the fall the manure, unless very fine and evenly spread, will cover up injuriously much of the plant. When spread in winter, on the contrary, it acts as a mulch and a protection while the plant is dormant, neutralizing the effect of freezing and thawing. An authority on the subject advises that artificial fertilizers be sown on grain land in the fall, and barnyard manure after the snow comes.

Josh Billings says:—"Before you can have an honest boat race, you must have an honest human race."

HEALTH HINTS.

THE WAY TO HEALTH.—The only true way to health is that which common sense dictates to man. Live within the bounds of reason. Eat moderately, drink temperately, sleep regularly, avoid excess in anything, and preserve a conscience "void of offense." Some men eat themselves to death, some drink themselves to death, some wear out their lives by indolence, and some by their exertion, others are killed by the doctors, while not a few sink into their graves under the effect of vicious and beastly practices. All the medicines in creation are not worth a farthing to a man who is constantly and habitually violating the laws of his own nature. All the medical science in the world cannot save him from a premature grave. With a suicidal course of conduct, he is planting the seeds of decay in his own constitution, and accelerating the destruction of his own life.

J. C. Lewes, of Providence, gave the following as a sure remedy for the cure of warts: Take copper filings and mix with good cider vinegar; three or four applications, well rubbed on, for alternate days, will produce no soreness and the warts will gradually disappear. This is a sure remedy.

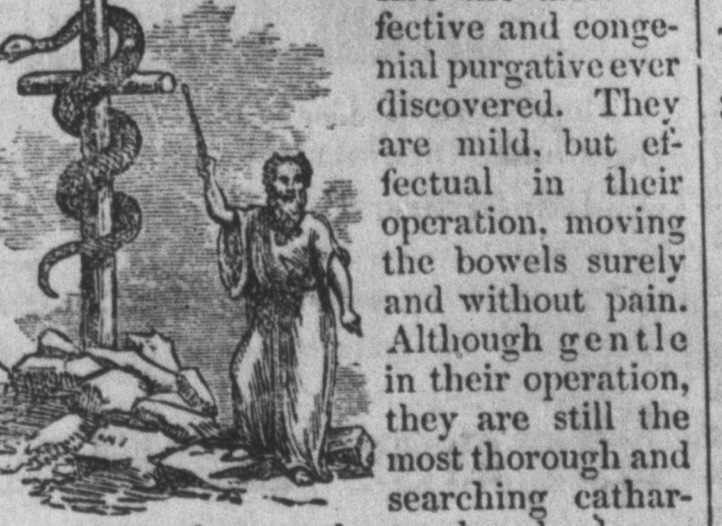
PROVERBS IN COOKING.—There is a greenness in onions and potatoes that renders them hard to digest. For health's sake, put them in warm water for an hour before cooking.

Good flour is not tested by its color. White flour may not be the best. The test of good flour is by the amount of water it absorbs.

To beat the whites of eggs quickly, put in a pinch of salt. The cooler the eggs the quicker they will froth. Salt cools and also freshens them.

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WESTERN COUNTIES RAILWAY.

1879. Arrangement. 1879. TRAINS LEAVE HALIFAX

7.55 a. m.—Express daily for St. John and intermediate points. 3.30 p. m.—Express daily for Windsor. Connection for Kentville and intermediate points on Tuesday, Thursday and Saturday. 8.20 a. m.—Passengers and freight Monday, Wednesday and Friday, for Annapolis and intermediate points.

WINDSOR & ANNAPOLIS Railway. Summer Arrangement, Commencing 1st July, 1879.

Table with columns: Miles, GOING WEST, Express Daily, Pass. & Frgt. Mon. Wed. & Fri., Passengers and Freight Tues. Thurs. & Sat., Express Daily.

Table with columns: Miles, GOING EAST, Pass. and Freight Mon. Wed. & Fri., Passengers & Frgt. Tues. Thurs. & Sat., Express Daily.

Steamer "Empress" leaves St. John every Monday, Wednesday and Saturday and Annapolis, to return on Tuesday, Wednesday and Saturday.

INTERCOLONIAL RAILWAY.

1879 SUMMER ARRANGEMENT 1879 TRAINS leave Halifax daily (Sunday excepted) as follows:—

At 8.05 a.m. (Express) for St. John, Pictou and intermediate points. At 12.15 p.m. (Accommodation) for Pictou and intermediate points. At 5.00 p.m. (Accommodation) for Truro and intermediate points. At 6.15 p.m. (Express) for St. John, Riviere du Loup, Quebec, Montreal, and the West.

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