

The Christian Messenger.

ALMANAC FOR NOVEMBER.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. Includes dates for First Quarter, Full Moon, Last Quarter, and New Moon.

THE TIDES.—The column of the Moon's Position gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport, 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 minutes later, and at St. John's, Newfoundland, 20 minutes earlier, than at Halifax.

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 24 hours, and to the remainder add the time of rising in the morning.

ESTABLISHED 1861. Park's Cotton Manufactures. COTTON WARP. WHITE, BLUE, RED, ORANGE AND GREEN.

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ALL FAST COLORS. In manufacturing our goods, we take the greatest care to make them of such a quality as to give satisfaction to the consumer.

ALL OUR GOODS have our name upon them, and are sold by us only to the wholesale trade, from whom country merchants and consumers can always obtain them by asking specially for them.

WM. PARKS & SON. New Brunswick Cotton Mills. St. John, N. B. Aug. 25. 3m.

BETCHER'S PECTORAL MIXTURE FOR Coughs, Colds, Whooping Cough, Asthma, &c.

CERTIFICATES. This article has been known to give immediate relief in Chronic Coughs when other Syrups have utterly failed, and for temporary coughs and colds it is invaluable, for which assertions abundant testimony can be produced.

To be had of the Manufacturer J. W. BETCHER, No. 27 CORNWALLIS STREET, HALIFAX, N. S. HALIFAX, March 10th, 1873.

J. W. BETCHER, Esq. Dear Sir,—Having used a half dozen bottles of your valued Pectoral Mixture I find myself greatly relieved from a chronic cough, and pulmonary weakness which had been preying upon my system for over a year, and would recommend it to all who are suffering from like complaints.

GEO. L. FELLOWS. ST. JOHN, N. B., April 16th, 1874.

This is to certify that I was attacked with a very severe cold combined with the Asthma very bad, so that I could not lie down or hardly breathe. One bottle of the cough medicine prepared by J. BETCHER, Esq., of Halifax, N. S., relieved me, and five bottles completely cured me so I have not been troubled with the Asthma since, and I believe it to be the best medicine for Coughs, Colds, Asthma, &c., that there is made.

JOHN N. DEARBORN. 1 yr. Aug. 12.

CONSUMPTION CURED. To the Editor of Christian Messenger. ESTEEMED FRIEND: Will you please inform your readers that I have a positive

CURE FOR CONSUMPTION and all disorders of the Throat and Lungs, and that by its use in my practice, I have cured hundreds of cases, and will give \$1,000.00.

for a case it will not benefit. Indeed so strong is my faith, I will send a Sample, free, to any sufferer addressing me. Please show this letter to any one you may know who is suffering from these diseases, and oblige, Faithfully Yours, DR. T. F. BURT, 67 William Street, New York. Aug. 5. 26 insj

Science.

RAISING PLANTS BY THE STOVE.—There is some advantage to be gained in early gardening, by knowing how to start healthy growing plants by the fireside or in our living rooms. All of us have not the facilities of a hot-house or green-house, with a genial heat below, and a moist warm climate above. But we are all anxious to have choice vegetables as early as our neighbours. On the 2nd of March I prepared a box to start plants for early use. I took a kettle of boiling water and poured in. This was repeated, making the box very warm. I then put in about one and a half inch of dry soil, then poured boiling water upon that, making it quite wet and warm. I then put an inch or more of dry garden soil, then sprinkled in my seed, covering it about half an inch with good dry soil. I then prepared a close fitting board for the inside of the box, heated it with boiling water, and placed it on the soil in the box, and set all down by the cook-stove. On the 5th (just three days after the seed was planted) I raised the board to see how they were doing, when to my surprise, the cabbage and the cauliflower were up, and pressing hard against the board for more room. On the 7th, just five days after the planting, the tomato plants made their appearance, coming up strong and healthy. They grew rapidly, and on Friday, the 20th, I selected fifty of the best plants, and transplanted them into a box prepared like the other, with boiling water, and good, warm garden soil, covering them for about thirty-six hours. They all lived—not one even wilted. I will transplant them again before setting them in the gardens, the final place of their destination. From present appearances, I think all cabbage, cauliflowers, and tomatoes will be large enough to set in the open ground by the time the weather and ground are in condition to receive them.—C. Bradley (Nauvoo, Ill.) in American Rural Home.

ILL-FITTING DOORS.—When blinds and doors do not close snugly, but leave cracks through which draughts enter, the simplest remedy, recommended by Mr. Schuetse, Building Commissioner in Dresden, Germany, is this: Place a strip of putty all along the jambs, cover the edge of the blind or door with chalk, and shut it. The putty will then fill all spaces which would remain open and be pressed where it is not needed, while the excess is removed with a knife. The chalk rubbed on the edges prevents the adhesion of the putty to the blind or door, which then can be opened without adhesion, and the putty is left in place, where it soon dries and leaves a perfectly-fitting jamb.

GRASSHOPPERS.—A correspondent of the Scientific American says:—The grasshoppers, desiccated and ground, would of course be useful as a fertilizer; but when in this prepared condition they would form an excellent food for all insect-feeding birds. There is no better food for all young domestic fowls. Containing silicic acid in a soluble state, they seem specially adapted for young birds, promoting the growth of feathers.

A CEMENT, impermeable by air and steam, and especially well adapted to use for steam or gas pipes, is made of powdered graphite 6 parts, slaked lime 3 parts, sulphate of lime 8 parts, and boiled oil 7 parts, well kneaded.

IN WASHING CALICOES in which the colors are not fast, be careful not to boil them; but wash in the usual way with soap, and rinse in hard water. For dark colored goods, add a little salt to the water; for light, a little vinegar.

NEW WAY OF MAKING SANDWICHES.—Boil a few pounds of ham, and chop it very fine while it is yet warm—fat and lean together—rub dry mustard in proportions to suit your taste through the mass; add as much sweet butter as would go to the spreading your sandwiches, and when it is thoroughly mixed, split light biscuits in halves and spread the ham between. These can be eaten without trouble, and will be found excellent.

A man is 1950 times as large as the common honey bee, and yet it is useless to try and argue the matter with the bee.

Agriculture.

CALIFORNIA'S CENTENNIAL GRAPE-VINE.—The big grapevine which is to be exhibited at the Philadelphia Exhibition has, after several weeks of labor, been dug up, divided into sections, and boxed for transportation. This famous vine is without doubt the largest in the world. The celebrated vine at Hampton Court, England, which grew under a glass, is nine inches in diameter three feet from the ground; this vine is fourteen inches in diameter three feet from the ground, and nearer to the ground has a measurement of eighteen inches in diameter or fifty-six inches in circumference, while its foliage has long covered a space equal to ten thousand square feet. The Hampton Court vine produces annually from 1,500 to 2,000 pounds of grapes. The product of this vine has often reached the immense number of 7,500 clusters of an average weight of 1 1-2 pounds each, or nearly 12,000 pounds. It is of the variety known as the mission grape, and was planted by Dona Maria Marcelida de Domingues at the birth of a child, according to the custom of the country. Its age is between fifty and sixty years. There still remains in the same neighborhood another vine which also out-ranks the Hampton Court vine, being now sixteen inches in diameter three feet from the ground, and making growth at the rate of an inch in diameter annually. Last year it furnished 8,000 to 10,000 pounds of grapes, which were plucked and eaten by visitors from August 15th to January 26th.—Santa Barbara, Cal. Press.

REMOVING STUMPS.—It is slow work burning isolated stumps in a field. The same amount of time spent in uprooting them will be much more effective. A good team, horses or oxen, with a stump machine will clear quite a space of ground in a day, and, if the ground be stoney, the work may be further progressed by filling the holes where the stumps came from with stones to within eighteen inches or two feet of the surface. Crude oil is not inflammable and unless used in large quantities its only effect is to clear the surface of the stump and make it last even longer than it otherwise would.—Rural New Yorker.

Do not attempt to work wet soil, because it is an injury to it—an injury that years of careful culture cannot remedy. Heavy soil, once puddled and packed when wet, remains so for a long time. Every step the horses take on wet soil, puddles it. The plow turns it over without pulverizing it, and leaves a stiff glaze on the furrows. Better be idle a few days.

A mammoth steer, owned by George Miller, a farmer on Lost River, near Klamath Lake, Oregon, has arrived at Salem, and will be sent to the Centennial. It stands nineteen hands, or six feet four inches, measures twenty feet from tip to tip, and weighs 5,000 pounds.

WOOD ASHES.—Many people unthinkingly suppose that all ashes are alike in value. Nothing could be farther from the truth. Ashes from some kinds of wood are almost valueless, and the same is true of soils.

Prof. Johnson has decided that silica is not essential to plants, and is not needed to strengthen the straw of grain.

DISPOSING OF DEAD ANIMALS.—A dead horse or other animal should be skinned and roughly cut up into as many small pieces as possible. A plot of ground a few rods square should then be ploughed deeply, and the carcass thrown upon the soil in the centre or the ploughed ground. Some freshly dry-slacked lime should then be scattered upon the heap, so as to cover it thinly but wholly. The loose earth is then to be heaped over it a foot in depth, and the pile covered with boards, so that dogs cannot get at the heap and tear it up. If the least smell is perceived, more earth should be thrown upon the heap. In three months the heap may be dug over or turned over with the plough, and well mixed. The bones that cannot be broken up should be taken from the heap, and the fine matter will be worth at least \$20 per ton, to use in the hill for corn or cotton. The larger bones may be broken up and buried among the roots of fruit trees.

Carrying up bricks for masons is a bad way of getting a living.

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