

The Christian Messenger.

ALMANAC FOR SEPTEMBER.

First Quarter, Sept. 7th, 5h. 23m. afternoon. Full Moon, " 15th, 8h. 27m. morning. Last Quarter, " 22nd, 2h. 46m. morning. New Moon, " 29th, 8h. 41m. morning.

Table with columns: Day, SUN., MOON., High Tide. Rows for each day of the month showing sunrise, sunset, moonrise, moonset, and tide times.

THE TIDES.—The column of the Moon's Southings 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, 30 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 minutes later.

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 next morning.

Business College, Hessein Building, Hollis Street, HALIFAX, N. S. Designed to Educate Young Men for Business.

DAY AND EVENING. In addition to our regular Course, we will, as soon as a reasonable number of applications are received, open EVENING CLASSES in

TELEGRAPHY, employing an experienced instructor, who is ready to commence operations at once. Also from the 4th January next, we will give regular instructions in

PHONOGRAPHY. Terms moderate. Persons holding Scholarships will receive instructions in these subjects at reduced rates.

BETON'S FRIZZES. Nov. 18

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. For singers and speakers it is also invaluable. No harm can result from a free use of this medicine.

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

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.

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, 77 William Street, New York.

Aug. 5.

Agriculture.

HINTS ABOUT TRANSPLANTING.—Most farmers would be well repaid by frequent visits to market gardeners near large cities. They learn much by visiting each other, but market gardening is farming refined to its last degree of profitable soil culture. Not that gardeners always use more expensive methods than farmers, often they are less so, and farmers, may frequently learn economy in doing nice jobs from men whose keen competition compels the greatest possible saving of time labor, and money, while they will also learn the skilfulness and care essential to success. This is especially true in setting out plants, shrubs, or trees. The comparatively little which farmers do in this line costs more than it should and after all from carelessness of important rules is as likely as not to result in failure. The farmer's tomatoes and cabbage are more apt to wilt than the market gardener's though the time the farmer gives to the work may be fourfold what the other employs.

The common error in transplanting herbaceous plants as cabbage, tomato, and celery is in trying to save too much top. The farmer gets large plants with thrifty leaves, which make a fine appearance, and he hates to sacrifice any. The market gardener looks mainly to the roots, increasing them if he has the growing of them by once or twice transplanting from the seed bed. This causes numerous fibrous roots to form and makes the check from transplanting very small. As for the leaves, a market gardener will trim these remorselessly, leaving only a centre from which all growth must spring. The result is the same in either case. The fine-looking leaves which the farmer tries to save invariably die, spite of careful covering with burdock or rhubarb leaves, while the trimmed plants of the gardener, if planted at sundown, have taken root by morning and will take little injury thereafter. The philosophy of this is very simple. The large leaves attached to the plant are exhaling moisture all the time, and the leaves wither clear to the stem before the root can supply them with any moisture. Even at this stage it is better to clip them off with the shears rather than to leave them to rot on the plant and slough off, slowly, as they will surely do.

A common mistake in transplanting is deluging the soil with too much water. A little water on the leaves checks the evaporation by keeping them cool. But the ground is apt to be of lower temperature than the air, and if deluged with cold water this makes it colder, retarding the action of the roots and often causing many of them to rot outright. Quite frequently the plant perishes from this cause, and the owner does not suspect what is the matter. Besides, on heavy soil excessive water, warm or cold, causes the earth to bake in dry weather and a hard crust to form on the surface, entirely excluding light and air. Under such conditions tender plants cannot thrive—can scarcely live. The practice of the best gardeners is to use very little water about the roots and that rather warmer than colder than the air. If the ground be freshly plowed, it will usually be moist and favorable for the roots to start. In such cases dipping the plant, roots and top, in water will be sufficient. Some water will adhere to the roots and the earth will cling to this sufficiently. If further watering is needed, let it be always before the hole around the plant is filled up.

The packing of earth around the roots should be done carefully by hand, pressing fine particles around and between the root fibres. Where a hole is made in the ground and earth raked in around the plant, it is always the lumps which naturally fall in first, and in these the roots make hard work to live. Put the finest earth in contact with the roots. Even if dry when the roots have been wet properly it will moisten the soil sufficiently. Better have too little water than too much. Press the earth moderately around the stem. With the too common practice of packing the earth at the top of the ground and little if any below, it is a wonder that so many plants live as they do. Do not on any account, drench the plant heavily with water soon after transplanting. The only effect of this is to wash down among the roots and loosen the earth from rootlets already perhaps beginning to form. If the plant seems to be drooping, wetting its leaves or covering with a wet rhubarb leaf will usually be sufficient.

Do not put any strong manure in contact with the roots of newly-set plants. Many farmers have their cabbage and tomatoes unaccountably die from this cause. If it is advisable to manure in the hill, put the manure a little below or one side the plant, and mix it somewhat with the soil. The roots of newly-set plants are dormant at first and begin to rot. For this reason strong liquid manure should never be applied until some time after a new growth has commenced. Ground for celery needs to be very rich, and mistakes are most frequently made in too heavily manuring this plant in contact with its roots. It should be remembered that celery loves a moist, cool soil, as well as a rich one so that violent heating manures are not advisable for this plant. Rural New Yorker.

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Science.

The London Agricultural Gazette contains letters from several farmers who "have seen it done," averring that oats planted in the spring and cut from time to time to keep them from flowering, will produce the following year, not oats, but wheat or barley. Another instance of the irrepressible conflict between science and practicality. Science says that oats cannot produce wheat. Practical farmers who have no objects to serve by telling lies, say that oats do produce wheat.

THE BEST WAY OF ROASTING CHESTNUTS.—In the South of France chestnuts are first put into a pan of cold water, placed on the fire, and boiled until nearly soft. They are then taken out, each chestnut receiving a small slit on the rind with a knife, after which they are put into a large flat pan (an ordinary frying pan would do) and tossed over a glowing fire until they become dry and mealy.

HOW TO PEEL ONIONS WITHOUT TEARS.—Few persons can peel onions without shedding tears over them. A scientific cook has recently discovered, however, a neater way of washing them, at the same time as they are being peeled, and all without tears. It is simply to nearly fill a deep pan with water, and peel the onions beneath its surface. It is a small discovery, but it will save oceans of tears.

DOMESTIC RECEIPTS.

COFFEE ROLLS.—Take twelve cups of flour, one of white sugar, one-half of butter or lard, one of yeast, one grated nutmeg, and three eggs. Mix with three large cups of warm milk, and let it rise over night; if well risen in the morning, knead and set in a cool place until three o'clock in the afternoon, then shape into long rolls, as you do White Mountain rolls, and let them rise one hour and a half. Bake half an hour in a moderate oven. When done, glaze them with a little milk in which a little brown sugar has been dissolved, and set them back in the oven for two minutes. These are for tea. They are nice, sliced thin, when cold.

RHUBARB JELLY.—Prepare the rhubarb as for pies; put it in a tin dish with just water enough to cover it, boil gently until tender; strain but do not squeeze it. For a pint of this juice use a pint of sugar; bring to a boil, season with lemon and if you wish color it with currant or raspberry juice. Let it boil but a moment.

MOLASSES CAKE.—Take two cups of molasses and one half cup of shortening, and add as much flour as you can stir in; then add two cups of boiling water, in which you have dissolved one large teaspoonful of saleratus.

LIGHT RYE TEA CAKES.—One pint of sweet milk, two eggs, a tablespoonful of brown sugar and a large pinch of salt. Add enough rye flour to make it as stiff as common griddle cake batter. Bake half an hour in "gem pans." Serve hot or cold as desired.

RICE PANCAKES.—Boil half a pound of rice to a jelly. When cold, mix with a pint of cream, two eggs, a little salt and nutmeg. Stir in four ounces of butter, just warmed, and add as much flour as will make batter thick enough. Fry in as little lard as possible.

GELATINE PUDDING.—Half a box of gelatine dissolved in half a pint of cold water. Beat the yolks of four eggs and three tablespoonfuls of sugar, and turn into the gelatine and water. Have ready a quart of boiling milk. Pour the mixture into the milk and stir it until boiled.

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