## The Messenger Almanac.

Jakuary.					
First Quarter, Full Moon, Last Quarter, New Moon,	Jan. 4th, 11h. 9m. " 11th, 2h. 9m. " 18th, 4h. 35m. " 26th, 9h. 27m.	- 44			

New Mo	on,	" 26th, 9h. 27m.			66
Day Wk.	SUN. lise.Sets.	Rises	. South	i. Sets.	High, Tide
1 Sa. 7 2 SU 7 3 M. 7 4 Tu. 7 5 W. 7 6 Th. 7 8 Sa. 7 9 SU. 7 11 Tu. 7 12 W. 7 13 Th. 7 14 F. 7 15 Sa. 7 16 SU. 7 18 Tu. 7 18 Tu. 7 22 Sa. 7 21 F. 7 22 Sa. 7 22 Sa. 7 23 SU. 7 24 M. 7 25 Tu. 7 26 V. 7 27 Th. 7 28 F. 7 29 Sa. 7	42 4 26 42 4 27 42 4 28 42 4 29 42 4 30 42 4 31 41 4 32 41 4 32 41 4 33 41 4 34 40 4 36 40 4 36 30 4 40 30 4 50 30 4 50 31 4 55 30 4 50 31 4 55 30 4 50 31 4 55 31 4 55 32 4 55 33 3 4 55 30 4 50 20 5 5 20 5 5 20 5 5	10 41 10 58 11 15 11 34 11 35 A.23 0 58 1 47 2 40 5 6 50 8 9 22 10 31 11 39 0 45 1 57 0 45 1 57	2 38 5 21 6 54 7 8 46 9 50 10 57 M. 4 9 56 9 58 10 40 10 57 8 56 10 40 10 57 8 56 10 40 10	9 9 10 18 11 27 N. 6 38 1 53 3 11 4 34 5 5 3 8 49 9 20 44 10 25 10 41 10 59 11 20 11 43 A. 16 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 36 11 13 11 55 M, 0 41 1 32 2 32 3 46 5 1 6 8 7 9, 8 2 8 54 9 42 10 27 11 8 11 48 A, 30 1 13 2 3 3 10 4 34 5 47 6 42

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, 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, Newfound-At Charlottetown, 2 hours 56 minutes LATER. At Westport, 2 hours 54 minutes LATER. At 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.

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This article has been known to give immediate relies in Chronic Coughs when other Syrups have utterly failed, and for temporary coughs and colds it is invaluable, for which assertions abundant testi-mony 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 Manfacturer

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CERTIFICATES. HAMFAN, 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 chough, and pulmenary weakness which had been preying upon my system for ever who are suffering from like complaints.

GEO. L. FELLOWS.

St. John, N. B., April 16th, 1874. This is to certify that I was attacked Asthma very bad, so that I could not lie down or hardly breathe. One bottle of the cough medicine prepared by J. W. 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 man JOHN N. DEARBORN. Aug. 12. 1 yr.

#### CONSUMPTION GURED.

To the Editor of "Christian Messenger," ESTEEMED FRIEND: - Will you please fnform 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

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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.

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#### SCIENCE.

THE LAWS OF STORMS .- A Writer in the November Galaxy thus sumarizes

Blasius' laws of storms: · I. All storms are the result of opposing currents of air, one cold, the other warm, or one polar, the other equatorial.

the warm equatorial current moving north and climbing over the cold polar current. They all come from the southern semi-circle of sky.

III. Summer storms are produced by the cold polar current moving south pushing the warm equatorial current before it. They come from the northern semi-circle.

currents is the era of calm and of low barometer. The opposing currents neutralize each other, produce a calm, heat the air by friction (and perhaps electricity), and the barometer falls.

V. The region of high barometer is that of either current before it meets opposition. The region of highest barometer is that of the coldest current, because the air is heavier than that of the warm current, and exerts more pressure.

VI. The gradient is the slope of one current over the other. In the winter it is very gradual, because the warm current is the aggressor, and slopes far over the cold one. In summer it is steeper, because the cold current banks up against the warm one, and cannot climb over it, from its greater weight. The rain area is all under the slope.

this was a sham. The new stuff was thoroughly with water to remove all the this was a sham. The new stuff was thoroughly with water to remove all the palatable enough until they were told acid, and rub it dry. Brush it over Beaver River—Wm. S Raymond, Esq. that it was made of animal fat, with with petroleum or other oil, and let it Berwick—John M. Parker, Esq. colouring and flavouring matter. That lie till spring. When you go to plough-Bridgewater—Wellesley J. Gates. Bridgetown—Nathan R. Morse. have maintained handsome profits.

chanics who work in wood do not ap- from rusting, and save a great deal of pear to understand the eminent trouble and annoyance, to say nothing Economy-Josiah Soley. superiority of wood screws over brads of depreciation and loss. and nails. In many places one screw is worth three or four nails. When one is securing cleats to batten doors or cleats to a waggon box, nails are very unsuitable when compared with the efficiency of gimlet-pointed screws. Screws will hold two pieces of wood more figidly than nails; and if the timber should shrink a trifle the screws can be turned up tight; whereas it is difficult, in most instances; to tighten up loose work with nails in all places where there is an unusual strain on the parts to be held together.

SALICYLIC ACID, which a few years ago was only known as a curiosity, obtained in small quantities from the oil of wintergreen and the leaves of the willow, is now made on a large scale artificially from carbolic acid, and is being largely used in surgery and the arts. It prevents the decaying of meats, the curdling of milk, the .musting of wine, and the putrefaction of wounds, and destroys the fungus-growth in beer and the living organisms that make drinkingwater unhealthy. It is taking the place of creosote in dentistry, and, in fact, seems, to a certain extent, bound even in very small quantities.

more dry and less fruitful, owing to the are more delicious. destruction of the woodlands that formerly abounded in the southern districts, the clearing of which has caused such One pint of milk, four tablespoonfuls an enormous evaporation that many once capacious water courses have become mere swamps or are completely dry.

To make waterproof packing paper, dissolve 1.82 lbs. white soap in 1 quart water. In another quart water, dissolve 1-82 ozs. troy of gum arabic and 5-5 ozs. glue. Mix the two solutions, warm them, and soak the paper in the liquid, and pass it between rollers or simply ful of mixed spices, one egg, four cups hang it up to drip.

#### AGRICULTURE.

A GOOD TIME TO SELECT POULTRY for future breeding is the month of December. This year's fowls, of any kind, are then well matured. Pullets will begin to lay vigorously, as a general thing, the next month. By Feb-II. Winter storms are produced by uary, at farthest, the nine or ten months. old birds are in their prime as a rule. At the exhibitions may be seen the choicest samples of the different varieties, and novices or young beginners may find a generous field from which to se. following are samples: lect new stock to add to their own, or to commence operations with. Among MR. B. HUBLEY, -Dear Sir, the coutributions to fairs there are always many cages of good birds that do RHEUMATISM than your LINIMENT. IV. The place of meeting of the two onot, in the opinion of the judges, come quite up to the mark, so as to merit the award of prizes, and yet which are very good samples. But there must always be "better" or "best." and these may be just as good, or even more desir- acter claimed for it in your advertisement, able for breeders, though they are beaten in the competitive race, for dif- remedy. ferent reasons, in the arbiter's judgement. Such fowls can be purchased at moderate figures, usually, after the declaration of the judges is made, and frequently good bargains may be had in what are at the time considered secondrate fowls, but which often turn out to be valuable in the breeding pen. This is worth remembering by those who do not worth remembering by those who do not tor's possession and may be inspected by care to pay the higher rates for the those suffering with Rheumatism and choicest or "premium" birds.

TO CLEAN A RUSTY PLOUGH .-OLEOMARGARINE A FAILURE .- The Take a quart of water and pour slowly United States Economist says :- The into half a pint of sulphuric acid. The "Oleomargine" (imitation butter) mixture will become quite warm from movement, which attracted so much at- chemical action, and this is the reason tention a few years ago, has finally why the acid should be poured slowly burst. The business never attained into the water, rather than the water, any very large proportions, but the into the acid, and let it remain on the iron last of the factories engaged in it- till it evaporates. Then wash it again. in New Jersey, of course-closed up The object is to give the acid time to dislast week. The bogus butter was in solve the rust. Then wash with water many respects all that its inventors and you will see where the warst spots Agents for the Christian Messenger. claimed it to be. It had the look, taste, are. Apply some more acid and rub on and smell of the real article. Grocery those spots with a brick. The acid men were afraid to sell it, or even keep and the scouring will remove most of was enough. People refused to touch ing take a bottle of the acid water to the the compound, and the manufacturers | field with you and apply it every bout had to stop business after sustaining a to any spot of rust that may remain. heavy loss. Probably if they had been The acid and the scouring of the earth less honest and concealed the true will soon make it perfectly bright and character of the article, they might smooth. If all iron work be washed off with petroleum as soon as we put our tools, implements, and machines Screws and Nails .- Most me- aside for the winter, it will keep them

> BONE DUST AND SULPHURIC ACID. -Plaster and puddle under shelter a floor of clay, and let it dry. Lay thereon a ton of bone-dust-say 7 or 8 qr. It should not be coarse, but need not be literally dust; if boiled or burned, so much the more favorable for the efficiency of the after operations. Pour water on the heap for a day or two, as long as any is absorbed; then flatten it. down, and lay a lot of dry ashes round of sulphuric acid-four or five of the ordiof sulphuric acid-four or five of the ordinary car-boys. It should be poured into | Port Medway-James T. Foster. bones. The slowness of this plan, as well as its safety, is a recommendation. It will boil, and fume, and effervesce, and you had better stand to windward of it. Locke's Island—Xerxes Z. Chipman, Esq.
>
> Before night it will be quiet, and, if St. Mary's Bay, Digby Co.—Chas, McNeill, Esq. still, very wet. It should have the ashes closely packed round it. They may be mixed with the heap in a day

A NEW WAY TO COOK APPLES .- Fill a quart bowl with alternate layers of to supersede carbolic acid for many thinly-sliced apples and sugar and half purposes, having the advantage of being a teacup of water, correr with a saucer Wolfville-G. V. Rand. odorless and less poisonous, and acting held in place by a weight. Bake slowly Varmouth-William Churchill, C.W. Sanders three hours. Let it stand, untill cold, and you will turn out a rounded mass Do., The winters in Russia are becoming of clear red slices imbeded in firm colder every year, and summers hotter. jelly. Cooked in this way, few desserts

> QUICK-BAKED BATTER PUDDING .flour, or better, two of flour and two of corn starch, two eggs, juice of lemon. Bake on tin pie-plate in a hot oven about twenty minutes.

> WEDDING PUDDING .- Oone cup of molasses, one cup of chopped raisins, one cup of milk, half cup of butter, one teaspoonful of soda, one desert spoonof flour. Steam three hours.

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