The Messenger Almanac.

July.	
Full Moon, July 6th, 11h. 23m. morning, Last Quarter, "14th, 9h. 41m. " New Moon, "21st, 0h. 38m. " First Quarter, "27th, 11h. 4m. afternoon.	
Dibay! SUN. MOUN.	at Halifax
1 Sa. 4 23 7 44 3 53 8 21 0 24 2 SU. + 23 7 44 4 59 9 9 0 49 3 M. 4 24 7 44 6 2 9 59 1 1 19 4 Tu. 4 25 7 44 6 58 10 50 1 56 5 W. 4 25 7 43 7 48 11 42 2 42 6 Th. 4 26 7 43 8 27 M. 3 36 7 F. 4 27 7 43 9 0 0 32 4 37 8 Sa. 4 27 7 42 9 24 1 20 5 40 9 SU. 4 28 7 42 9 46 2 6 6 48 10 M. 4 29 7 41 10 6 2 50 7 58 11 Tu. 4 30 7 41 10 24 3 32 8 54 12 W. 4 30 7 40 10 40 4 14 10 4 13 Th. 4 31 7 40 10 59 4 55 11 10 14 F. 4 32 7 39 11 22 5 39 A. 19 15 Sa. 4 33 7 38 11 48 6 27 1 32 16 SU. 4 34 7 38 M. 7 19 2 50 17 M. 4 35 7 37 0 25 8 17 4 9 18 Tu. 4 36 7 36 1 15 9 21 5 27 19 W. 4 37 7 35 2 20 10 28 6 36 20 Th. 4 38 7 35 3 33 11 34 7 30 21 Fr. 4 39 7 34 5 2 A. 37 8 12 22 Sa. 4 40 7 33 6 27 1 35 8 43 23 SU. 4 41 7 32 7 47 2 28 9 9 24 M. 4 42 7 31 9 3 3 16 9 29 25 T. 4 43 7 30 10 16 4 2 9 48 26 W. 4 44 7 29 11 26 4 47 10 8 27 Th. 4 45 7 28 A. 35 5 31 10 27 28 Fr. 4 46 7 27 1 44 6 17 10 50 28 Fr. 4 46 7 27 1 44 6 17 10 50 28 Fr. 4 46 7 27 1 44 6 17 10 50 28 Fr. 4 46 7 27 1 44 6 17 10 50 24 35 35 35 35 35 35 35 3	2 37 3 43 4 51 5 49 6 41 7 26 8 5 8 41 9 17 9 51 10 26 11 0 11 37 A. 18 1 4 1 57 3 1 4 21 5 35 6 40 7 37 8 30 9 19 10 49 11 30 M.
30 SU: 4 48 7 24 3 55 7 55 11 55	1 41 2 43

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 Tormen-

tine, 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. 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.

BETCHER'S

FOR COUGHS, COLDS, WHOOPING COUGH, ASTHMA, &c.

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 Manfacturer

J. W. BETCHER, No. 27 CORNWALLIS STREET,

Halifax, N. S.

CERTIFICATES. HALIFAX, March 10th, 1873

W. BETCHER, Esq. DEAR SIR,—Having used a half dozen bottles of your valued Pectoral Mixture I chough, and pulmonary weakness which had been preying upon my system for ever 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. 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 made. JOHN N. DEARBORN.

Aug. 12. 1 yr.

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

\$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. 26 ins. Aug. 5.

SAVE YOUR EYES! Restore your Sight! THROW AWAY Your SPECTACLES, By reading our Illustrated PHYSIQLOGY AND ANATOMY of the EYESIGHT. Tells how to Restore Impair. ed Vision and Overworked Lyes; h. w to cure Weak, Watery, Indamed, and Near-Sighted Eyes, and all other Diseases of the Eyes.

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Gents or Ladies. \$5 to \$10 a day guaranteed. Full particulars sent free. Write immediately, DR. J. BALL & CO., (P. O. Box 957.) No. 91 Liberty St., New York City, N. Y.

SCIENCE.

W 1 1 2 PRESERVATION OF WOOD. - M Lostal, railway contractor, has communicated to the Society of Mineral Industry at St. Etienne the results of his observations on the effect of lime in preserving wood, and his method of applying it. He piles the planks in a tank, and puts over all a layer of quicklime, which is gradually slacked with water. Timber for mines requires about a week to become thoroughly impregnated, and other wood more or less time, according to its thickness. The wood acquires remarkable consistency and hardness, and, it is said, will never rot. Wood has been prepared in this manner for several mines, so that the plan will shortly be tested on a considerable scale. Beachwood has been prepared in this way for hammers and other tools for several iron-works, and it is said to become as hard as oak without losing its elasiticity or toughness, and to last much longer than when unprepared. It has long been known that wood set in lime or mortar is preserved from decay, but no systematic plan for its preservation has until now been attempted.

How much is a horse power?-"A Young Farmer" inquires of the New York Herald, " How much is a horse power?"

Reply. This question is frequently asked: What is understood by a horse power, and why that way of reckoning came to be adopted and brought into general use? Before the power of steam was generally known and applied to mechanical purposes, horses were used to raise coal and other heavy bodies. Mr. Moot, in his experiments, carefully compared the relative power of the different breeds of horses, and found its average equal to raising 33,000 pounds one foot per minute, or what is equivalent, to raise 330 pounds 100 feet, or 100 pounds 330 feet during that space of time, when attached to a lever or sweep of a given length. This afterward became the standard of measuring power or force applied to mechanipurposes, and which is still retained in common use.

MOTH-PROOF.—Trunks and chests are more easily rendered moth proof than closets and drawers, therefore we advise every housekeeper to keep two large old trunks or boxes for this purpose. They should be lined with paper, and if there are any cracks which could admit moths, they should be pasted over. Appropriate one for clothing and one for curtains and the like, and as fast as you discared winter clothing and furs examine each piece carefind myself greatly relieved from a chronic fully, brush it thoroughly, hang it in the sun for a few hours; then fold and pack it away in your chest, laying about half a pound of camphor in the corners at the same time. If you have any doubt about an article of fur or woollen, after beating thoroughly and dusting insect powder over it put it into a brown paper bag and paste up the top, so that if it is infested it will not destroy the other contents of the trunk. When the trunk is packed full, paste strips of paper around the opening of the cover, and you are quite safe from the summer's moths and dust, and may have an easy mind about the contents of your chests.

> CEMENT FOR CRACKS.—A technical journal recommends the following recipe for a cement to stop flaws or deep with dry soil. On this I put a cracks in wood of any color: Put any layer of bones, about the same depth, quantity of fine sawdust of the same and cover them entirely with unleachwood your work is made with into an ed ashes. On these another layer of ing it; then boil it for some time, till it winter till the next spring. Then on squeeze all the moisture from it. Keep cient quantity of thin glue to make it into a paste; rub it well into the cracks, or fill up the holes in your work with it. When quite hard and dry, clean your work off, and it you have carefully another twelve month's slumber. followed these directions, you will scarcely discern the imperfection.

then gives out pernicious gases.

Learn to say No. No necessity of snapping it out dog fashion, but say it firmly and respectfully.

AGRICULTURE.

Dandellons.

O the bright, brave yellow dandelions That bloom in the fresh green grass! They seem to give me a cheery look Of courage and hope as I pass;

They say: "We knew you a little child, We have known you all the way, And has not a blessing come to you With the need of every day?"

O the bright, brave yellow dandelions! They smile at my sad distrust. "You should never weep in the spring,"

"But hide your eyes, if you must. When the earth is growing so bright and And the sky so clear and blue, The soul should blossom with gratitude,

And the heart be sunny too.' O the bright, brave yellow dandelions! They were shut in the prisoning mould Till in God's good time the sunshine

And they blossomed in glowing gold. They say, as I watch them smiling there: "The heart has its seed-time too; O, trust, and your life shall bloom again

Under a sky of blue."

M. F. Butts.

TOADS.—The toad is a most useful thing in a garden. I had a plant dreadfully infested with wood-lice, almost destroyed with them, and a toad located himself close by as its protector, and in order to be ready in an emergency he made in the mould a hole all but deep enough to hide himself in, but not deep enough to prevent his having a thorough good view of the plant; and when a wood-louse, beetle, or anything of the kind appeared near of THE LUNGS, him on the plant, out he came and pounced upon it-"You are mine!" This was wholly his work. I only IS THE GREAT MODERN REMED I watched him sometimes, greatly pleased at the success. Another time as I was one day walking along a path in the garden I saw a toad approaching; the pace was quick for a toad, but I soon saw what he was after. Just on before him was a beetle which I expected to see caught, but ere there was apparently time for them to meet, the beetle had disappeared, so quickly that my eye was not quick enough to see i taken, but no doubt it was in the toads mouth for I heard a click which told the tale of capture. Two other toads seem to have concerted between them how to act one evening so as to take a border regularly, and in order to do their work well it appeared to be arranged that one of them should go on the border and the other stay outside, having the box edging between them; and so they did their work of clearing, keeping just opposite the one to the other though they could not see each other, and I was watching them from the window above. I wish we could all act with good feeling towards such useful creatures. They do much good and no harm, but I have every reason to believe they are sometimes treated most cruelly .- R. T. in Gard-

SIMPLY MADE BONE MANURE.—A Contributor to the Horticulturist buys bones of a butcher at a dollar the hundred pounds, and considers them the cheapest fertilizer he can obtain. He transforms them into meal by the following simple process: "I have a large water-tight hogshead standing out of doors, near the kitchen. In the spring cover the bottom about six inches earthen pan, pour boiling water on it, bones, then ashes, and so on till the stir it well, and let it remain for a hogshead is full. I leave it then exposweek or ten days, still occasionally stir- ed to the sun and rain all summer and acquires the consistency of pulp or removing the contents of the hogshead, paste; put it into a course cloth and I find nearly all the bones so soft that they will crumble to powder under a for use, and when wanted mix a suffi- very slight pressure, and they give a nice little pile of most valuable manure, ready for immediate use. Any of the bones not sufficiently subdued I return to the hogshead again, for

ner's Chronicle.

ARTIFICIAL CLOUDS of smoke are often used in France and Germany as ALWAYS FILL YOUR LAMPS in the a protection against frost. One plan, morning; it is much neater than to which has been very successful, conhave them to do when they are wanted sists in carefully mixing gas tar with lighted, and you need never fear an sawdust and old straw, and piling this explosion. The light yellow oil is the mixture in large heaps in the vinebest and safest. A light burning in yards. When required for use, smaller the room at night is bad for both the heaps are distributed about the vineeyes and nerves. If necessary to have yard, and these are burned freely for a a lamp do not turn it down low, as it few hours, producing a very dense smoke which decreases the radiation, and prevents frost.

> If you have a place of business be found there when wanted.

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with book of 24 pp., giving full instruc-tions in this new and beautiful art, sent post-paid for 10 cts., 100 ass'td pictures, 50 cts. They are Heads, Landscapes, Animals, Birds, Insects, Flowers, Autumn Leaves, Comic Figures, &c. They can be easily transferred to any article so as to imitate the most beautiful painting. Also 5 beautiful GEM CHROMOS for 10 cts.;

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March 24.

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Scripture Catechism, \$6.00 per 100. CHRISTIAN MESSENGER OFFICE, No. 69 & 71 Granville St., Halifax. April 15.

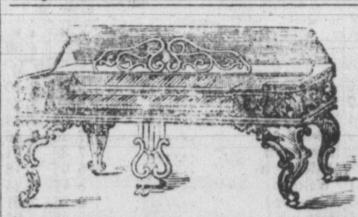
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And all diseases that lead to it; such as COUGHS, NEGLECTED COLDS, BRONCHITIS, PAIN IN THE CHEST, AND ALL DISEASES

ALLEN'S LUNG BALSAM

T IS WARRANTED to break up the most distressing Cough in a few hours time, if not of too long standing. IT IS WARRANTED to give entire satisfaction even in the most confirmed cases of Consumption! It is warranted not to produce costiveness (which is the case with most remedies), or affect the head as it contains no Opium in any form. It is the most delicate child, although it is an active and powerful remedy for restoring the system. There is no real necessity for so many deaths by Consumption, when Allen's Lung Balsam will prevent it, if only taken in time.

PRICE \$1 PER BOTTLE. SOLD BY ALL DRUGGISTS.



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VEGETABLE

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oblivion from which they never should have emerged to cheat invalids with false hopes of Though no intallible virtues are claimed for

this medicine it is but just to say that it possesses the following excellencies:-. 1. On many cases of cough it exerts an almost specific remedial influence, and the cases are very few which it quite fails to benefit. Long standing cases and those of aged

persons are almost always greatly relieved. 2. Its action is speedy and pleasant; its taste is not disagreeable; and its dose is smail. The last point is sure to be appreciated by

3. It has received medical sanction, and has been frequently prescribed by some of our leading physicians. Add to the above that, when the smallness

than the common 25 cent Cough Drops and Syrups, of the Druggists-This remedy has held its way and attained its present reputation by its own merit, with little aid from advertizing. It has an established sale, and those who know it will al-

of its dose is considered, it is even cheaper

ways use it when they need such aid. But while our climate remains what it is, the army of sufferers from throat and lung complaints will always be a large one, and continually reinforced by new recruits. That all such may be acquainted with this reliable medicine is the aim of this advertisement.

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The proprietor of this medicine has walked the aisles of the Hospitals of London, Eng., for the past twenty years, making rheumatism a speciality, and the prescription from which this remedy is all he ever used in the treatment of this

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