

The Messenger Almanac.

MAY.
New Moon, May 2nd, 8h. 36m. morning.
First Quarter, " 9th, 6h. 18m. afternoon.
Full Moon, " 17th, 10h. 17m. morning.
Last Quarter, " 23rd, 9h. 27m. afternoon.
New Moon, " 31st, 9h. 33m.

NEW MOON.		MOON.				High Tide	
Day	SUN.	Rises.		South. Sets.	at Halifax		
Mo.	Rise.	Set.	Rises.	South. Sets.	at Halifax		
1 W.	4 54 7	0 4	5 11	11 6	17	7 21	
2 Th.	4 53 7	1 4	29 11	54 8	23	7 53	
3 Fr.	4 51 7	2 5	5 46	46 8	31	8 24	
4 Sa.	4 50 7	3 5	41 1	38 9	35	8 57	
5 Su.	4 48 7	5 6	32 2	34 10	36	9 33	
6 M.	4 47 7	6 7	34 3	31 11	28	10 9	
7 Tu.	4 46 7	7 8	43 4	28 12	10	10 49	
8 W.	4 44 7	8 9	58 5	23 1	03	11 35	
9 Th.	4 43 7	9 11	13 6	14 2	14	M.	
10 Fr.	4 42 7	10 12	28 7	4 3	115	0 31	
11 Sa.	4 41 7	11 1	45 7	54 4	140	1 40	
12 Su.	4 39 7	12 2	8 43	2 5	2	2 55	
13 M.	4 38 7	13 3	14 19	9 34	24	4 10	
14 Tu.	4 37 7	14 4	53 10	28 49	24	5 11	
15 W.	4 36 7	15 5	69 11	24 31	7	6 5	
16 Th.	4 35 7	16 6	8 16	M	349	6 55	
17 Fr.	4 34 7	17 7	9 26	0 24	432	7 43	
18 Sa.	4 33 7	18 10	24 1	25 24	54	8 29	
19 Su.	4 32 7	19 11	9	1 25	626	9 14	
20 M.	4 31 7	20 11	39 3	12 73	10	10 0	
21 Tu.	4 30 7	21 M	4	12 85	10	10 43	
22 W.	4 29 7	22 4	12 5	49 9	146	11 27	
23 Th.	4 28 7	23 5	32 5	41 10	1050	A 16	
24 Fr.	4 27 7	24 6	54 6	34 11	54	1 9	
25 Sa.	4 27 7	25 7	11 7	4 4	57	2 7	
26 Su.	4 26 7	26 8	1 28	7 34	158	3 13	
27 M.	4 25 7	27 9	1 27	8 24	3	4 16	
28 Tu.	4 24 7	28 10	2 6	9 5	4	5 10	
29 W.	4 24 7	29 11	3 21	9 51	5	6 0	
30 Th.	4 23 7	30 1	10	39 62	18	6 41	
31 Fr.	4 22 7	31 2	3 40	11 39	74	7 22	

THE TIDES.—The column of the Moon's Position gives the time of high water at Pictou, 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. 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 12 hours and to the remainder add the time of rising next morning.

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SCIENCE.

AN AIR MOISTENER.—An effective contrivance has been devised for overcoming the dryness of the air in heated rooms. It is called an "air moistener," and is of additional service by arresting the dust that comes up through hot-air flues. The device consists of a series of pans set in a frame. Each pan has an outlet tube which rises from the bottom to a height less than that of the sides of the pan. Consequently, water poured into the top pan overflows through the outlet tube and fills the pan below it, and so on through the series. At the top of the frame there is a chamber of just sufficient capacity to hold water enough to fill all the pans; this is filled first; then its outlet valve is opened, the pans fill, and the contrivance is ready for operation. The frame is to be hooked on in front of hot-air registers or set on top of a stove or furnace. Air thus moistened is very pleasant to breathe, and must doubtless prove far less irritating to the lungs and throat than ordinary furnace heated air. The quantity of water evaporated is large, and the apparatus needs to be filled at least once a day; but where it is inserted in cellar furnaces the filling can be made automatic by connection with the water supply.

VARIOUS WOODS.—The following are interesting items concerning the commercial value and properties of the better known woods:—

Elasticity. — Ash, hickory, hazel, lancewood, chestnut, (small), yew, snakewood.

Elasticity and Toughness. — Oak, beech, elm, lignum-vite, walnut, hornbeam.

Even grain (for Carving or Engraving). — Pear, pine, box, lime tree.

Durability (in Dry Works). — Cedar, oak, yellow pine, chestnut.

Building (Ship-Building). — Cedar, pine (deal), fir, larch, elm, oak, locust, teak. Wet construction (as piles, foundations, flumes, etc.) — Elm, alder, beech, oak, whitewood, chestnut, ash, spruce, sycamore.

Machinery and Millwork (Frames). — Ash, beech, birch, pine, elm, oak. Rollers, etc. — Box, lignum-vite, mahogany. Teeth of wheels. — Crab trees, hornbeam, locust. Foundry patterns. — Alder, pine, mahogany.

Furniture (Common). — Beech, birch, cedar, cherry, pine, whitewood. Best furniture. — Amboyna, black ebony, mahogany, cherry, maple, walnut, oak, rosewood, satin-wood, sandalwood, chestnut, cedar, tulip wood, zebra wood, ebony.

Of these varieties, those that chiefly enter into commerce in this country are oak, hickory, ash, elm, cedar, black walnut, maple, cherry, butternut, etc.

AGRICULTURE.

There is no meat, says a writer in *Country Gentleman*, so cheaply raised and fattened as poultry. Most farmers' families prefer fresh to salt meats, especially during warm weather, and there is none more available everywhere than that of fowls. One fowl makes a meal for a large family, and there is none of it left to be thrown away, or to be salted to prevent its spoiling. The next meal is running around, preserved naturally until needed. A bushel of corn will keep a farmers' fowl in good eating condition for a year. The fowl will lay 100 eggs or over, which will more than pay for the grain given, and the butcher's cart is thus always at the door.

SMALL FRUITS IN GARDENS.—But few people seem to know the value of small fruits to a family, when grown in their own gardens. You commence with strawberries; they continue about a month. You pick, perhaps, from six to twelve quarts a day. You have them on your table as dessert, if you please at noon, and your tea table is loaded with them at evening, and you want little else but your bread and butter. Your family consume, in one way or another, about eight quarts a day, and while they last no medicines for bodily ailments are required, as a quart of strawberries daily will generally dispel all ordinary diseases not permanently in the system. After strawberries; raspberries come to continue about three weeks; and then we have blackberries where the climate is not too cold for cultivated varieties; then the currants ripen, which remain until the early grapes mature; and taking the season through, any family with a half acre of land in a garden can grow small fruits that make country life delightful and at the same time hundreds of dollars can be saved in the supply of the whole.

The following paragraph affords two astounding examples of the spirit of improvement in Agricultural Implements in Sackville:—Deacon Eliphalet Read, of Beech Hill, has a churn which has been in use for ninety-five years and is still able to turn out first-class butter. Mr. Willard Estabrooks has a marsh plough which is still more ancient, being over a hundred years old. It is still in active use and does as good duty as in the days when our forefathers bent to toil in Westmoreland. — *Sack. Borderer.*

HOW TO TIE UP RASPBERRIES.—I have hit upon a plan for tying up my raspberries which has proved convenient, effectual, and cheap. I plant my raspberries in hills, six by six feet, as I can cultivate and keep them clean with much less labor planted in that way. Drive one stake (I used two at first but find that one does just as well) on the south-west side of the hill, then take common fencing wire, (smaller will do), cut it in proper lengths to make hoops about sixteen inches in diameter, turn a small hook on each end, bend it round and hook it together including within the hoop the stake and the hill of canes. Its advantages are:—It supports the hill of canes perfectly without confining them too closely together, and in the next place, if the new canes straggle outside of the hoop, as they are sure to do, you have only to unhook the wire, put it around them and hook it up again. Then it is easy to unhook it when you go to cut out the old canes after fruiting. Make the stake four or five feet long and when they rot off you can sharpen and drive down again, thus making them last a number of years. — *Western Rural.*

THE HOUSEHOLD.

BAKED HASH.—Take any kind of cold meat, and chop it very fine; add to it a small onion and half a can of tomatoes; season with pepper and salt and two beaten eggs; put in a yellow nappy; cover a plate, and bake an hour. Remove the plate and let it brown handsomely; then turn it out upon a platter.

FRENCH HASH.—Cut any kind of meat in thinnest slices; dip each once into flour, and place in a yellow nappy; lay over the slices a small onion, cut in rings, and three small potatoes, cut as thin as possible; pour in all the gravy that is left, and add a teaspoonful of boiling water; season with pepper and salt; cover with a plate, and bake two hours. Tomatoes improve this dish. — *Country Gentleman.*

THE USE OF SALERATUS DISCOURAGED.—The free use of saleratus, so much consumed in bread, is excessively injurious to the human system. It is particularly liable to induce muscular prostration or paralysis, and is sure to injure the digestive organs. Of course, it is most fatal to children, whose delicate organization is more sensitive than that of grown persons.

THE USES OF THE LEMON.—A piece of lemon bound upon a corn will relieve it in a day or so. It should be renewed night and morning. The free use of lemon juice and sugar will always relieve a cough. A lemon eaten before breakfast every day for a week or two will entirely prevent that feeling of lassitude peculiar to the approach of spring.

TO BRIGHTEN GILT FRAMES.—Take sufficient flour of sulphur to give a golden tint to one and one-half pints of water; boil in this water four or five onions; strain, and when cold wash with a soft brush any part that requires restoring; when dry it will come out as good as new.

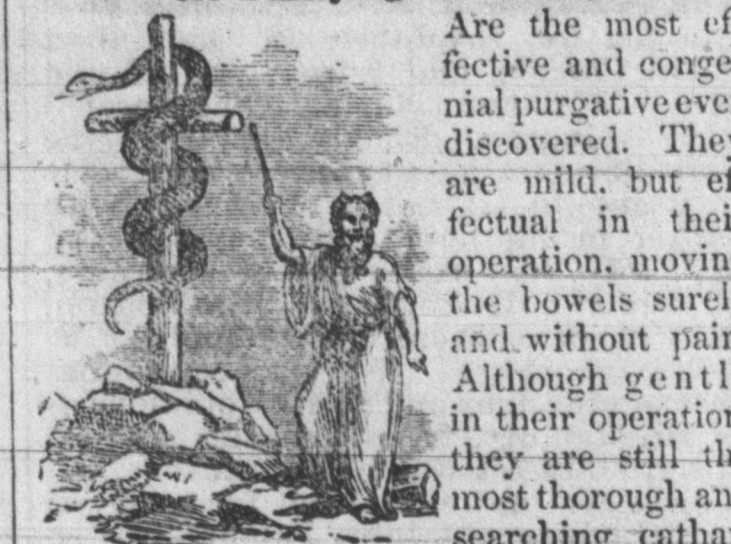
DAMP CLOSETS.—In damp closets cupboards generating mildew a trayful of quicklime will be found to absorb the moisture and render the air pure; of course it is necessary to renew the lime from time to time as it becomes fully slaked. This remedy will be found useful in safes and strong rooms, the damp air of which acts frequently most injuriously on the valuable deeds and documents which they contain.

Recent experiments by Professor McNab on the rate of the ascent of fluids in plants, ascertained by the employment of spectroscopic examination of the diffusion of lithium citrate, gave a maximum result of 24 inches per hour.

Which way does the seed point in the apple?

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