The Messenger Almanac.

		APRIL.		. 0,
New Moon, April 2nd, 5h. 0m. afternoon. First Quarter, "10th, 10h. 40m. morning. Full Moon, "17th, 1h. 43m. "Last Quarter, "24th, 4h. 19m. "				
Day W	Rise.Sets.	Rises. South.	AND DESCRIPTION OF THE PERSON	
1 M 2 Tu. 3 W. 4 Th. 5 Fr 6 Sa 7 SU. 8 M 9 Tu. 10 W 11 Th. 12 Fr 13 Sa 14 SU. 15 M 16 Tu. 17 W 18 Th. 19 Fr 20 Sa 21 SU. 22 M 23 Tu. 24 W 25 Th.	5 44 6 23 5 43 6 25 5 41 6 26 5 39 6 27 5 37 6 28 5 35 6 29 5 34 6 31 5 32 6 32 5 30 6 33 5 28 6 34 5 26 6 36 5 25 6 37 5 23 6 38 5 21 6 39 5 19 6 40	5 0 11 8 5 16 11 47 5 38 A. 29 6 0 1 13 6 25 1 59 7 0 2 50 7 43 3 43 8 36 4 39 9 41 5 36 10 52 6 33 A 10 7 28 1 26 8 20 2 45 9 11 4 4 10 2 5 26 10 55 6 46 11 48 8 8 M 9 28 0 44 10 40 1 42 11 43 2 42 M 3 41 0 35 4 39 1 16 5 31 1 45 6 20 2 10 7 6 2 30 7 47	5 16 6 18 7 20 8 26 9 33 10 40 11 43 M. 0 42 1 31 2 14 2 46 3 14 3 37 4 0 4 24 4 50 5 56 6 44 7 39 8 43 9 46 10 55 A 1. 1 4 2 5	7 28 7 59 8 26 8 55 9 23 9 53 10, 25 11 0 11 41 M. 0 34 1 45 3 19 4 43 5 48 6 37 7 20 8 4 8 47 9 30 10 13 10 58 11 44 A. 38 1 41 3 1 4 20
28 SU. 29 M . 30 Tu.	4 59 6 56 4 57 6 57 4 56 6 59	3 7 9 6 3 23 9 46	3 5 4 9	5 21 6 8

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 Picton 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. LATER. A Westport, 2 hours 54 minutes LATER. A 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, frem 12 hours and to the remainder add the time of rising next morning.

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AGRICULTURE.

THICK SEEDING .- Farmers of late years are using more grass seed than they were in the habit of sowing to the acre. Many sow eight quarts of Timothy, and the same of clover seed to the acre, and others exceed this quantity, believing that they get a better return for their money, Timothy should always be sown in the fall, and clover early in the spring. One-half the seed sown is generally lost when sown on rough land, and harrowed in with a common harrow, in consequence of being covered too deep. A half inch is as deep as any grass seed should ever be covered. Farmers need harrows made solely to cover such seed. It pays well to put the land in a good, smooth condition for grass seed of every kind. Rolling the land after the seed is harrowed, or brushed in, will tend to make it vegetate sooner, especially in a drouth.

pastured on rye will fatten and give a explosive substance still more powerful greater quantity of milk than they will | than that. He has given it the name when pastured on the wild range or of "explosive gelatine," on account of fed corn in the ear. Even in Winter its aspect, which closely resembles the butter has a nice golden color, and gelatine. The substance is composed At Charlottetown, 2 hours 56 minutes the usual pasture grass. Sow in May when it is moist the nitro-glycerine for Summer pasture, and in Fall for Spring pasture.-N. Y. Herald.

> CELERY .- Celery is the greatest food in the world for nerves. Persons doing much brain work find it invaluable. In cities, where the brain and nerves are called to severe exercise, people hunger for it, and the demand for it grows so that ignorant people can not understand why it should be so. It seems as though nature, in her quiet way, finds and materializes out of herself food or recuperation for all parts of the system that are exhausted in the demand for progress. Where people work their muscles more than their brains, beans corn, meat, and such food is most in demand, and celery is not much in demand. But in cities where brains and nerves are overworked, appetite clamors for something that will repair the waste and do the weary parts the most and quickest good.

Only yesterday, says a correspondent the Utica Herald, one of our most intelligent and successful farmers informed me that when he took possession, some years ago, of the farm which he now works, he found it impossible to raise good oats. Thirty bushels of poor, light oats were all he could get from an acre, while his straw was dull or rusty. Acting on the advice of a string. Let a small hole be made in friend, he salted an acre liberally, as an experiment. The result was, the grain nearly doubled on that acre, and the rust disappeared, while the unsalted portions of his oatfield were rusty and the crop hardly worth harvesting.

SMUT IN GRAIN.—A correspondent of the Colorado Farmer gives the following remedy for preventing smut in

"Dissolve from one to two pounds of blue vitriol in water to every ten bushels of wheat, and pour it on the floor, where it can be stirred back and forth for twenty four hours, until the grain is swelled to one-third more than its natural size and is colored completely throughout.

of water to every 100lbs. If not wet enough the first time, add more water, until it is wet enough to heat and sweat.

"We think the above plan better than to soak it in vessels, and is certainly to handle every way.

"Wherever the above instructions are carried out properly I will guarantee no smut to be produced from the seed, although I have no doubt there are various causes for its appearance in small quantities,

"Whenever you hear men that contend that there is no preventive for it you can put it down that they are too lazy or too ignorant to take a little trouble on themselves."

of cracker crumbs in a buttered bake cream with two cupfuls of white sugar: dish, then a layer of onions sliced very six eggs, the whites and yolks beaten thin: season with bits of butter and a separately; the juice of one lemon; sprinkle of pepper and salt. Make squeezed into the potato while hot; one three layers of crackers and two of on- teaspoonful of nutmeg, the same of ions; fill the dish with rich milk, and mace. Bake in shells of paste, or in bake one hour. It is nice cold if you dishes lined with good paste, without can get them to leave any from dinner." | covers; to be eaten cold.

SCIENCE

ABOUT BONES .- Dr. Wilkes, in his recent work on Physiology, remarks that, " It is estimated that the bones of every adult person requre to be fed with lime enough to make a marble mantel every eight months." It will be perceived, therefore, that in the course of about ten years each of us eats three or four mantel-pieces and a few sets of front door steps. And in a long life I suppose it is fair to estimate that a healthy American could devour the Capitol at Washington, and perhaps two or three medium sized marble quarries besides. It is awful to think of the consequences if a man should be shut off from his supply of lime for a while and then should get loose in a cemetry. An ordinary tombstone would hardly be enough for a lunch for him. - Adeller

EXPLOSIVE GELATINE.

M. Nobel, the inventor of dyna-PROVIDE RYE PASTURAGE.—Cows mite, has recently discovered a new sells well. If sown early or well pre- of 94 to 95 per cent. of nitro-glycerine pared land, rye will afford more pastur- and 6 or 5 per cent. of collodion, age to the acre, during Fall, Winter, mixed together. It is viscous, but can and Spring, than blue grass or timothy. be easily cut with a knife or with scis-Rye pasture is cheaper and easier to be sors, and placed in cartridges or shells. had in Winter than root crops, and Dynamite, it is known, has the disadgrows faster in the early Spring than vantage of being alterable by waterseparates from the absorbent. The new substance, on the contrary, does not give the least sympton of exudation; it is impermeable to water, which does not at all affect its explosive properties. It is inflamed in the same way as dynamite, and its power is at least 50 per cent greater. Several nations-notably | New Ross-James Lantz Italy and Russia-have, it appears, already adopted this substance for charging bombs, torpedoes, and mines.

> Sound moves about thirteen miles in a minute, so that if we hear a clap of thunder half a minute after a flash, we may calculate that the discharge of electricity is six and a half miles off.

DIPHTHERIA AMONG THE NEW ENG-LANDERS .- A comparison of ancient records with modern observations tends to show that diptheria is an old disease with a new name. It made great havoc in New England, especially in New Hampshire and Maine, at three different ephochs, 1735-8, 1786, 1832. The disease seems to have spread slowly from its first centres of outbreak to the attack of 1735-8, taking four months to reach Boston, and two years to arrive on the banks of the Hudson River.

A TELEPHONE FOR BOYS .- Take two empty oyster cans and a stout, smooth the bottom of each can, through which the string is passed and secured. Then let the experimenters set up their talking telegraph by choosing their stations as far apart as the tightly stretched string will permit, and while one of the operators holds his ear to one of the cans. and his companion his mouth to the can of the other end of the line, they will find that a conversion can be carried on so that low tones and even a whisper will be distinctly perceptible. What usually most astonishes those who make this experiment for the first time, is that the sound of the voice does not seem to come from the person speaking at the other end of the string, but to issue from the can itself, which is held to the ear of the listener. This at first "It will require about one bucketful appears to be a deception, butit is really not so. The ear tells the exact truth. The voice that is heard really comes from the can that is held to the ear of the hearer. The voice of the speaker communicates sound-producing vibrations to the walls of the can with which his voice is in immediate contact. These vibrations are communicated to the string, but so changed that they no longer affect the air. A person may stand by the string while the sound is passing, and yet hear nothing. At the other end of the string however, these hidden vibrations reproduce themselves as sounds.

POTATO PIE.—One pound of mashed potato, rubbed through a colander; SCALLOPED ONIONS .- Place a layer one-half pound of butter rubbed to a

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