The Messenger Almanac.

June.															
La No Fi Fi	Last Quarter, June 4th, 0h. 57m. morning. New Moon, "11th, 16h. 18m. " Firs Quarter, "18th, 2h. 10m. " Full Moon, "25th, 0h. 39m. afternoon. Down SUN. MOON. High Tide														
D.M.	Day W .	SUN. Rise.Sets.				MOON. Rises. South. Sets.						High Tide at Halifax			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Fr. Sa. SU. Mu. Th. Sa. SU. Mr. Tu. Wh. Tr. Sa. Tu. Wh. Tr. Sa	444444444444444444444444444444444444444	22 21 21 20 20 19 19 19 18 18 18 18 18 19 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	ファファファファファファファファファファファファファファファファファファファファ	33 34 35 35 36 37 38 38 39 40 41 41 42 42 42 42 43 44 44 44 44 44 44 45 45	11 M 0 0 0 0 1 1 1 1 2 3 3 5 6 7 9 10 11 A. 2 3 4 4 5 6 7 8 9 9 10	15 1. 16 34 50 19 29 52 22 3 56 3 20 42 3 11 36 49 2 26 37 42 50 28 6 6 6 6 7 6 7 7 8 7 8 7 8 7 8 7 8 7 8	4 4 5 6 6 7 8 9 10 10 A. 1 2 3 4 4 5 6 6 7 8 8 9 10 11 MO 1 2	10 54 35 15 55 37 21 8 1 59 2 59 9 4 55 43 30 16 40 34 16 40 34 16 16 16 16 16 16 16 16 16 16 16 16 16	8 9 10 11 A. 2 3 4 5 6 8 9 9 10 11 11 11 M 0 0 0 1 1 2 3 4 5 6	45 51 54 56 59 5 13 24 40 55 7 58 36 59 50 13 24 13 20 50 50 50 50 50 50 50 50 50 50 50 50 50	10 10 11 12 13 14 15 66	149 28 .13 2 55 56 156 157 50 38 26 11 38 28 47 38 28 47 28 19 16 19 23 26		
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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.

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Encourage native enterprise and save the duty, freight, commission, and profit on American instruments. SEND FOR A PRICE LIST.

March 24,

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

ALLEN'S LUNG BALSAM IS THE GREAT MODERN REMED

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 WARRANTED to be perfectly harmless to 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.

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WM. L. BARSS, LL.B.,

A partner in my business, and hereafter the same will be prosecuted under the name and style of KING & BARSS. Halifax, Jan. 1, 1877.

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Jan. 10.

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and despatch. EDWIN D. KING. WM. L. BARSS, L L.B. SCIENCE.

AMERICAN INVENTIVE PROGRESS.— Under the above heading the Scientific American of May 7th has a long and interesting article, from which we make the following extracts:

To show with what rapidity inventors made improvments on inventions embodying original principals, says the writer, it may be noted that in the early days of the sewing machine 116 patents were granted for improvements thereon in a single year; and out of the 2910 patents issued in the year 1857, 152 were for improved cottongins and presses, 164 for improvements on the steam engine, and 198 for novel devices relating to railroads and improvements in the rolling stock. In the year 1848, three years after the publication of this paper was commenced, but 660 patents were granted; but under the stimulus of publishing those inventions as they were patented, ten years later, in 1858, the number had increased sixfold, reaching 3,710, while up to January 1, 1850, as already stated, the aggregate of patents issued amounted to 17,467; since that time and up to the present the total is 181,015.

the editor) to review our own work, should be plowed under, and that a crop back, say, twenty years, or to 1857 a period during which 170,745 patents | stalks would materially benefit the soil. have been issued. We find, by actual | That they possess some value is an adcount, that 62,062 applications have mitted fact, and if turned under in the been made through the Scientific Ameri- fall season, so that they will rot by spring, can Patent Agency for Patents in the are of some advantage to the soil; but United States and abroad. This aver- | should they remain till spring they ages almost ten applications per day, should be burned. The insect world is Sundays excluded, over the entire possessed with wonderful powers of mul period, and bears the relation of more | tiplication, and we know of no method than one quarter to the total number | equal to good burning to destroy them. of patents issued in this country up to In the early settlement of the country, the time of writing.

a remarkable submarine volcanic out- attribute their absence to these fires. break, on the 24th of February, in Lands thus cleansed are more easily Kealakeakana Bay, near the entrance | cultivated than those not so treated. to the harbour. According to the ac- Many noxious seeds are destroyed and count given of the affair by the Hono- farm implements do their work much lulu Gazette, the eruption took place more perfectly than when they are dragat three o'clock in the morning, and | ging through great masses of weeds and natives who witnessed it, appearing to advise the burning over of fields belike innumerable red, blue, and green fore plowing, and we believe all so dolights. On the afternoon of the 24th | ing will be pleased with the experiment." several boats visited the scene of the eruption, and tound the water boiling and rushing about in a state of great disturbance. Blocks of lava two feet square came from below, frequently striking and jarring the boats, but, as it was quite soft, doing them no injury. There was a good deal of rumbling and other disagreeable noise caused by the eruption of the lava from the submarine crater, which is conjectured to be a crack or line of rupture extending at least a mile from the shore. Another rupture, a continuance of the submarine fissure, was traced inland from shore nearly three miles, varying in width from a few inches to 3 feet.

The Papier Zeitung remarks that it would be an advantage if wall-papers could be had which would adapt themselves to the degree of illumination of the room in which they are hung, becoming fine manures? Because they give to the darker with a greater brightness, and brighter as the darkness increased. The proposal has been made to coat the walls of rooms with oxalate of copbright against darkness. By combination with other colours wall-papers roots of the pea and clover penetrate might be obtained which would present | deep into the soil, and bring up mineral an agreeable variation of colours.

OFF: Slake lime in the usual way; mix | why the pea is so excellent a manure one gill of flour with cold water, taking is, that it feeds upon the nitrogen of care to beat out all the lumps, then pour on boiling water, enough to thicken to the consistency of common starch to the plant, which it did not before pour it while hot into a bucket of slacked lime and add one pound of whitening; stir all well together. A little indigo in the wash improves it.

A GOOD CEMENT .- Pound burnt oyster-shells, sift the powder through a very fine sieve, and grind it on a stone slab till reduced to the finest powder; then take the whites of eggs (according to the quantity of powder), beat them well, and having mixed them with the powder, form the whole into a kind of paste. With this paste join the pieces of china or glass, and press them together for seven or eight minutes, and the united parts will stand heat and water.

and lose their appetite, the food given hydrochloric acid mixed with water, in to them, should be mixed with a little the proportion of one pint of acid to a pepper. If convenient, keep a few gallon of water. The diluted acid kills oyster shells before them, especially in all weeds and grass, as soon as it touches the laying season.

AGRICULTURE.

TO MAKE FLOWER SEEDS GROW .-In sowing flower seeds great difficulty is often experienced in getting them to come up well, especially is this the case if it continues dry after they are sown. The seeds are so small that they must not be covered deeply, and if the weather is dry, the surface soil quickly dries and the seeds fail to germinate. The difficulty may be easily remedied by spreading newspapers over the beds as soon as the seeds are sown, and allowing them to remain till the young plants begin to break through the ground. The paper keeps the ground moist and warm, by preventing the evaporation of moisture, and they come up much sooner than they would in the most favourable weather when uncovered. - Seeds sown in freshly spaded earth and covered in this manner will readily germinate in the driest weather. Amherst Gazettes are particularly efficacious in producing the desired affect, unless the subscription is unpaid.

PLOWING OR BURNING.—The Ohio Journal of Agriculture says: " The time was when it was thought that And curiosity here leads us (adds | everything on the top of the ground of weeds, grass and dilapidated corn when the prairies were burned regularly every year, many insects now com-A sensation has been caused in the mon and injurious were unknown. We Sandwich Islands by the occurrence of | think we can in a very great measure was an imposing spectacle to the grass. These considerations induce us

VEGETABLE MANURES .- These are applied in a green or dried state. Green manuring is the turning into the soil, of vegetable matter which is growing. Of these the best are clover and peas, or buck wheat. What is the principle which underlies their application? They act mechanically and chemically -mechanically upon stiff soils by loosening their texture, making them lighter so that the roots may penetrate deeper in search of food; chemically, by giving to the surface soils constituents which they did not contain. Clover penetrates deep into the soil; it is emphatically the vegetable manure for stiff clay soils. The pea vine is unsurpassed as a vegetable manure, and is admirably suited to your light sandy soils, and will flourish where clover will not. Now, why are the clover, pea and bean, and this class, so soil constituents which it did not before possess, and which are necessary to the crop. But how does it do this, since it grows in the same soil and surrounded per, which becomes dark in light, and by the same atmosphere as the crop following does? In this wise: the matter, which lies too deep to be reached by the roots of the crop plant. WHITE-WASH THAT WILL NOT RUB This is one reason: another reason the air; thus, it adds to the soil mineral matter and nitrogen, both necessary contain. And this is the philosophy or science of green manuring .- Exchange.

Root crops to be successful, must be planted on rich land, or on land that has been highly manured. The land must be rich enough to stimulate a rapid and large growth. It costs more to care for a piece with a scanty growth than one with a heavy growth, because the weeds are not shaded enough to hold them in check. Manure heavily, and root crops are profitable. Manure lightly and root crops are among the most unprofitable on the farm.

To keep walks clear of weeds, it is When fowls appear to be out of order recommended to sprinkle them with

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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 S. A. KINNEY & CO. all he ever used in the treatment of this June 15, 1876.

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Ayer's Hair Vigor,

For restoring Gray Hair to its natural Vitality and Color.



A dressing which is at once agreeable, healthy, and effectual for preserving the hair. Faded or gray hair is soon restored to its original color.

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with the gloss and freshness of youth. Thin hair is thickened, falling hair checked, and baldness often, though not always, cured by its use. Nothing can restore the hair where the follicles are destroyed, or the glands atrophied and decayed. But such as remain can be saved for usefulness by this application. Instead of fouling the hair with a pasty sediment, it will keep it clean and vigorous. Its occasional use will prevent the hair from turning gray or falling off, and consequently prevent baldness. Free from those deleterious substances which make some preparations dangerous, and injurious to the hair, the Vigor can only benefit but not harm it. If wanted merely for a

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