# The Christian Messenger.

HALIFAX. N. S., JUNE 10. 1874.

ALMANAC FOR JUNE

*	Las Country Your St.h. Oh. Am mounting													
Lust Quarter, June 7th, 9h. 4m morning. New Moon, "14th, 2h. 38m. morning.														
First Quarter, " 21st, Sh. 47m. afternoon.														
Full Moon, " 29th, 2h 34m, morning.														
D	Day	1 7	SU	N			MOON.   High True							
Z	WR	R			23/44/25/39	Rises  South					SCOTCOSCOCIONES AND THE REAL PROPERTY.			
-	Aprophic speciments of	COLUMN COLUMN A	<b>BEOLEGISTE</b>	abiggi	33	exemple respons	44	0	42	4	43	Season region (school)	7	
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6	Sa.	4	20	7	36	0	23	5	17	10	11		31	
7	SU.	4	19	7	38	0	46	6	7	11	28	Α.	55	
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10	W.,	4	19	7	40	1	50	-8	33	3	16		49	
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12	F	4	18	7	41	2	46	10	20	5	54	5	50	
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25	Th	4	20	7	44	4	15	8	54	1	10	3	40	
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27	Sa.,	4	21	7	45	6	27	10	33	2	1	5	32	
28	SU.	4	21	7	45	7	33	11	30	2	39	6 7	55	
29	M	4	22	7	44	8	29		en.	3	137 146	7	48	
30	Tu	4	22	7	44	9	16	0	27		25	1	40	

THE TIDER .- 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, 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 min-

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.

WOR THE LENGTH OF THE NIGHT -Subtrac, the time of the sun's setting from 12 hou, and to the remainder add the time of rising n. x' worning.

#### MRS. AINSLEY'S Arthranodyne Liniment.

This magical pain curer having been in use among private friends for a number of years is now offered to the public as a superlative remedy for RHEUMATIC PAINS

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MRS. AINSLEY, DEAR MADAM,---Having found the efficacy of your very invaluable Liniment in the case of sore throat which by two applications I was entirely relieved both of the swelling and soarness, I was induced to apply it to the parts affected by a severe attack of Lumbago. After having my back, loin and thigh thoroughly rubbed with the mixture, I was enabled to sleep comfortably and in a few days to walk about the field. would further add for your satisfaction that m; friend with whom I board has been entirely re lieved from a pain in his shoulders, which drove him nearly to madness, by freely using the Liniment twice. Also the wife of ore o my neighbours who was suffering dreadfully from an attack of acute rheumatism especially in her joints and legs, told me that she had scarcely applied it to parts affected before she felt immediade relief. I lave reason to be lieve the Arthranodyne Liniment the best nov

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## Scientific.

BLUE SKY AND WHITE CLOUDS .-The ethereal blue color of the sky is DROUTH. - I am trying to keep my due to minute particles of matter ornamental plants alive by watering particles removed, the appearance of where one has not made preparation the sky would be dead black. It is a for thorough irrigation. I think most fact in optics that exceedingly fine persons make a mistake in giving too portions of matter disperse or scatter little water at a time and applying it the blue rays of light, coarser portions | frequently instead of thoroughly soakscatter red rays, still coarser portions | ing the soil at once and then applying scatter all the rays, making white light. | no more for a week or more. This An atmosphere is full of aqueous sprinkling the surface does little or no vapor, the particles of which d'ffuse good, for the water makes the soil white light in all directions. When bake a little harder each time, keeping these particles are enlarged, they be- out the air, forming an excellent concome visible in the form of clouds. ductor for the heat to penetrate the are supposed to be finer and lighter it may contain. than those of the dark clouds.

ing the air by cotton wool, or causing hard. the air to pass over a flame, the beam of light is no longer visible in the tube. drive out every particle of moisture in - Scientific American.

A WATER CUSHION .- I begin to think that there is no end to the wonderful things one may learn when once one tries.

I've just heard of a big water cushion. No one knows how thick it is; but it is as big as all the oceans in the world, A tall boy who comes to our meadow read all about it in Mangin's " Mysteries of the Ocean."

You see, if the oceans were as stormy all the way through as they are on top, they would cut and plow the lands and rocks at the bottom, tearing their way through the very earth itself. So, when God made this wonderiul world, it appears be covered a very large part of it with the deep waters of the oceans, which lie smooth and still under all the storms that rend and vex the parts nearer the top. This great body of smooth water acts as a cushion between the stormy waters and the lands at the bottom. Is not this a very wonderful thing?—St. Nicholas.

OILING ROOFS .- A correspondent of the Mirror and Farmer says:-" In 1848 I built a shed from the house to the barn with two roofs; shingled it with sapling pine shingles. One roof on one side I oiled with bank oil, which is the cheapest fish oil in the market-then worth about forty cents per gallon, worth about sixty cents now-end it proved an experiment worth being made known to others. The roof or side not oiled had to be sh ngled over eight or ten years ago. The side which I oiled is yet good. I oiled it over again last fall and how much longer it will last I don't know, but I know it has lasted twenty five years without repairing and without leaking. Last fall I oiled other roofs beside the one which was oiled in 1848, and I think sapling pine shingles wel oiled when first laid, if they are dry, and well oiled once in ten years, would last an age. The shingles should be perfectly dry when oiled and as much oil put on as will strike

petroleum districts of Burmah are said | dition for a crop the next season. to have yielded oil for over two thousand years, but they have only of late and sometimes with bituminous slate.

most notable discovery made by Mr. Gosse, in his journey across Australia, is that of a hill consisting of one solid rock, two miles long, one mile wide, and eleven hundred feet in height. From the centre of this hugh natural monolith flows a stream of water. It lies in latitude 25 ° 21, longitude 131 ° 14, and besides its geological interest it may prove a valuable landmark to future explorers. The composition of the rock is a fine conglomerate.

# Agricultural.

WATERING PLANTS IN TIME OF which float in the air. Were these them, although this is an irksome task The vapor particles of the white clouds | earth, driving out what little moisture

Water should be applied in sufficient That the diffusion of light in our quantities to saturate the soil down to atmosphere, the blue coloring of the | the lowest roots, and if this is done, sky and the colors of the clouds, are there will be no need of giving frequent in the air, has been conclusively applications. Around trees and all proven by Tyndall. On passing a coarse plants a mulch of some kind the beam is rendered brilliantly visible prevent evaporation and keep the soil water. by the reflection of light from the dust | cool as well as moist. Among small particles floating in the air contained | plants the hoe and rake must be kept in the tube. But on removing the in constant use, to keep the soil loose dust particles, which is done by filter- and prevent it becoming baked and

> Heat will pass through a brick and much less time than it will through the same quantity of loose soil. The particles of which the brick is made are pressed together, forming an excellent conductor for heat, and evaporation proceeds slow or rapid as heat is transmitted through the mass. A heavy, clay soil is usually very wet or very dry, because of its compactness, but to talk of breaking up deeply, aerating and draining a soil that gets as hard and dry as a brick in summer, may appear to some persons the height of folly, but it is the cheapest and most expeditious way of making it dry in wet weather and moist in the time

Hundreds of ornamental trees have died and are now dying in my neighborhood simply for the want of moisture that has been driven out of the bricklike soil about their roots. A little water and a breaking up of the earth about them would have prevented their death. Trees that are worth five or more dollars each could have been saved by an outlay of from five to ten cents; but there i little use of talking to those who will neither read nor reason. - Moore's Rural New Yorker.

WASTED FERTILIZERS .- The Farmer's Home Journal says: On every old place there are such things as old wood piles, where chip have accumulated and decomposed for fifty years; then there are old piles of ashes sometimes three or four feet deep, which have been accumulating for the same length of time; then there are old straw piles and heaps of stable manure which have never been hauled out; again there are deposits under the hen roosts, sometimes two feet deep, which are equal to the best Peruvian guano, and when these are all hauled out, we will go to an inexhaustible supply of rich moulds and alluvial deposits of decayed vegetable matter, which have been collecting for ages, in places on branches and creeks which run on most farms. We have still another supply yet, in the muck mud, which, if dug out in the summer time, when the marshes and swampy places are dry and hard, it can be hauled close to, if not quite to, where THE OIL WELLS OF BURMAH. - The | will pulverize it and put it in fine con-

VALUE OF WALNUT TIMBER. - As years been worked to anything like an illustration of the increasing value their capacity. In one district there of walnut lumber, the Indianapolis are 450 oil wells, varying in depth Journal notes that the standing walnut from 160 to 210 feet, and in another trees on a half section of land on Ecl about seventy of from 60 to 80 feet in River, in Miami County, Indiana, depth. The most of them are new, were recently sold to a lumber dealer and others are being added daily. for \$17,000. There is a large amount Around the recently dug wells the of other timber on the track which is Do., out-throw consists of blue clay, ac- not included, only the walnut timber companied with calcareous filaments, being sold. Walnut lumber is coming more and more into use throughout this country and Europe, and at pre-A BIG AUSTRALIAN ROCK -The sent a large business is done in preparing and shipping it from Indiana.

> To GROW LARGE MELONS .- When a melon gets as large as a cucumber take a durning needle and pass a yarn thread (perhaps several threads twisted together will be best) through the stem of the melon, so that the end of the thread will come near the top of the stem. Now place the lower portion of the thread in a bottle and fill with water. The melon will soon drink up

the water, when more should be added. It is said that they will thus consume a quart or more per day, and will Commission Merchants, Auctioneers, eventually grow to an enormous size. They will not, however, possess the sweetness of those grown in the natural

Perhaps by sweetening the water and adding some spices, any desired flavor could be imparted.

DISEASED LIVER IN FOWLS AND RABBITS .- The Cottage Gurdener says: Liver disease in fowls is caused by over-fattening or by injudicious feeding, it is also caused by poor food. Potatoes cause liver disease, but they make fat liver. Rice, bad corn, constant stimulating food produce the liver you mention in fowls. Rabbits are very subject to it, and it may be traced to the same cause-improper feeding. They want variety, and when they have not a supply of root food, such as swedes, mangold, &c., they should have water. We believe many of the discases to which they are subject would

No good driver will ever resort to the cruel practice of whipping or beating his horse. A light whip may be carried, but there is seldom use for it. Much more can be accomplished by kind treatment and good judgment.

WOOD ASHES are stated to be an effective remedy for current worms. Dust the bushes in the morning with the dry ashes. Three applications, thoroughly done, will be sufficient.

A love of salt is natural to all animals, and is promotive of health and appetite. When they have access to it at all times in the form of rock salt, they take it whenever nature requires it, and never too much.

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NEW

Vol X TH

There is man If we would And many a If the que To the sunny And whose The grass is Though th Better to ho And to ke For the swee When the

There was n Or an eve And the dar. Is the hou There is ma Which we That is rich Or the m It may be t Or a moth Or only a b

Better to we A bright And to do And hand Than to sn Of our cu And then b And sit, THE I

For a cup

The merry And fron The spirits Go sweet While in H We meet With cheer This sun We thank To look The poor I

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