## The Messenger Almanac.

November.

New Moon, Nov. 5th, 4h. 34m. morning. First Quarter, 12th, 7h. 30m. afternoon.
Full Moon, 20th, 6h. 5m.

La	st Q	ua	rte	r,	66	27	th.	, 51	1. 5	ln	1.				
H		SUN.				27th, 5h. 5lm. MOON.						Hi	gh	Tide	9
K	Day W .	Ri	ise.	Set	ts.	Ris	es.	Sou	th.	Set	s.	at	H	lifax	
1	Th.	6	42	4	46	2	5	8	29						
	Fr	6	43	4	44	3	31	9	11	o			5		
	Sa	6	45	4	43	4	49	10	7	3	25		5		
4	SU.	6	46	4	41	6	8	10	59	3	50		6	43 °	
5	M	6	47	4	40	7	25	11	53	4	21		7	28	
	Tu.	6	49	4	39	8	40	A.	49	4	58		8	10	200
7	W	6	50	4	38	9	49	1	46				8	00	
8	Th.	6	51	4	36	10	48	2	44	6	40			30	
19	Fr	6	53	4	35	11	35	3	39	7	43			11	
10	Sa	6	55		34		.12	4	30	8	48		10	50	
11	US.	6	56		32		41	5	17	9	53		11	34	
12	M		58	4	31	1	5	6	1	10	51		IV	00	
13	Tu.	6	59	4	30	1	24	6	42	1	1		0	20	
14	W.	7			29	1	41	7	ZZ	0	1		1	27	
15	Th.	17	2	4	28		59	8	2 42	1	0		2	51	
16	Fr.	17	3	4	27	2	16	8	42	2	. 0		0	21	
17	Sa	7	4	4	26	2	30	9	24	3	10			53	
18	SU.	7	5	4	25	Z	58	10	10	4				41	
19	M	7	7	4	24	3	24	10	-08	9	22		7	22	
20	Tu.		8	4	23	4	2	11	53	0	32			37	
21	W		9	4	23	4	49	77	1		3.1		0	12	
	Th.		11	4	22	5	49		51					51	
	Fr.		12	4	21	6	56	1	52	9				31	
	Sa.		13	4	21		14	2	52	11	46			15	
	SU.				20		32	3	20	11	20				
	M					110	48	4	40	11	90		11	57	
27	Tu.	17	17					5		4	45		A.	57	
28	W.	7	18	4	18		1 4	6		1	4(	3	9	6	
	Th		19	4	18		18	1	13	1	96	7	2	17	
30	Fr.	7	21	4	17	1 2	34	8	111	1	20	1	U	11	

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 Tormentine, 2 hours and 11 minutes LATER than at Halifax. At Annapolis, St. John, N.B., and Portland Maine, 3 hours and 25 min-utes LATER, and at St. John's, Newfoundland, 20 minutes EARLIER, than at Halifax. At Charlottetown, 2 hours 56 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.-Sub-

tract the time of the sun's setting, from 12 hours and to the remainder add the time of rising next morning.

## BAPTIST CHURCH REQUISITES.

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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 REMEDY

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 mos 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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April 14.

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Five Years' Sickness ured by Four Bettles of Constitutional Catarrh Remedy. Fain in Shoulders, Back and Lurge, and Droppings in Th reat Disappear.

St. Armand, P. Q., Sept. 12, 1876.

MR. T. J. B. HARDIN G.

Drar Sir,—Being desircus that others may know something of the merits of your Constitutional Catarrh Remember, I wish to inform you what it has done for me. I am 29 years old; had been out of health for about five years. I had employed three or four different doctors, and tried various medicines, wit hout receiving any permanent benefit but continued rather to grow worse, until last fall, when I had become so bad as to be unable to do an hour's work at a time. Had severe teoreness and pain under the shoulder blades and through the shoulders, with very lame back, and a feeling in my right lung as though there was a weight bearing it down, with continual dropping in the throat and down upon the lungs. Such was my condition when I commenced to take your Catarrh Remedy, one bottle of which eased my pains and gave me an improved appetite, and after taking four bottles I was restored to health, so as to be able to endure hard and continued labor, such as chopping and clearing lard, at which I have been engaged the past season. My revery I attribute solely, with God's olessing, to the use of our Catarrh Remedy. Yours truly, D.S.F. Price 11 per bottle. HENRY SNIDES.

#### AGRICULTURE.

THE MIXING OF SOILS .- A gentleman gives the following as his experience in relation to mixed soils and the results: "I have had great results from spreading sand upon stiff clay. Plough the clay-land in the fall, and spread on sand until it almost appears to cover the surface. The action of the frost the following winter will open the clay soil fissures, into which the sand will fall; and in the spring it will be as soft as an ash-bed, the harrowing and cultivation mixes the sand and clay thoroughly together, and the effect will be seen for many years in the hay crop." This is but one instance of the benefits resulting from the mixing of soils. And not only will it be found beneficial to spread sand upon a clay soil, but otherwise similar results may be expected from the spreading of clay upon a light, sandy soil. The effects are principally mechanical, as in the case of spreading sand upon a stiff clay. The object is to disintegrate the soil, destroy its adhesiveness, pulverise it, and thus render it more susceptible of thorough cultivation, easier accessible to the action of light, air, and warmth, and place it in a better condition to support vegetable growth. Clays are usually considered strong soils, and particulary adapted to the production of large crops of grass, which do not so easily or quickly run out as on lighter soils; but they are more difficult of cultivation, from the causes already mentioned, and anything that will tend to overcome this adhe-A Westport, 2 hours 54 minutes siveness and make it lighter and render LATER. A Yarmouth, 2 hours 20 minutes it easier to be managed is beneficial. Draining will help to accomplish this, is indeed a prime requisite, and sand as has been described; and to this may be added muck and strawy manure, when it can be thoroughly worked into the soil, the object being to mix some other substance with clay, and thus keep it from becoming compacted together. And if these ameliorating agents are of a fertilizing character so much the better. And this will be found the case more or less with all the substances mentioned. Even sand may be supposed to contain some property favorable to plant growth not found in clay; and thus the two united witll produce increased results in crops.

"The application of a top-dressing of clay to a light sandy soil has often been of much service. The results sought here are not an increased friability of the soil, as this is the difficulty to be overcome, and clay, being of an opposite character, is found to be especially adapted to this purpose, and will help to make the light and porous sandy soil more compact and retentive, better adapted to seeding to grass, and getting a firm and more enduring sward.

"Farmers having clay or sandy soil, or, what is better, both, would doubtless find it an advantage to spread upon the one a liberal top-dressing of the other and thoroughly mix together. It may appear to some as a doubtful experiment, and hardly warranting the labor that would be required; but, if the distance is not too great, it would pay well—the application not only being useful in a mechanical point of view. but also acting as a fertilizer and equaling in value a good dressing of stable manure."

LARGE FARMS .- A natural desire seems to be implanted in the breasts of a large number of our farm population gree of heat. to own large farms, to add this or that adjoining tract of land to that already owned.

To know when and where to stop making additions is of the utmost importance, and still more important to land, in order to divert into the Atlanstop at the right time. Every addition | tic the vast fields of ice which come adds to the farmers cares, anxieties, down from Baffin's Bay, and make the etc.; taxes will be increased, expenses for fences and other items will be added, also more labour required, and It is thought that if the straits were withal perhaps a failure to increase the annual income sufficient to pay for the extra care and other necessary outlays. Sometimes increasing the farm area from that where a comfortable subsistence, with a small surplus, is derived, the whole becomes involved in expenses which cannot be afforded. It costs so much to keep the whole up

bearings grate. OAM No time is had for the young to ceedingly fine, and of a red tint. obtain more than the rudiments of an education, much less to fit themselves as ornaments among their rural companions. The constant strain of house is wearing away to such an exmuscle power unfits them for intellec- tent that it has been decided to remove

even if any are had, and frequently ends in their leaving the farm, and farm-life, at the first opportunity. A farm under similar conditions becomes an incubus to its possessor and his family, and an injury to the whole community, by bringing discredit upon

the profession. If we desire to raise the business of farming to the position it deserves to occupy, we must cultivate (own) only what can be thoroughly done with the means we can employ, improve it to its greatest capacity, interest our children in their business, give them opportunity and advantage for acquiring a good education, thus fitting them to honestly fill their stations. Pursuing some similar course, we shall live longer enjoy more of life, save up a competency against old age and infirmity, and train up a more intelligent and a happier family .- Rural Home.

#### SCIENCE.

MYSTERIES OF A LUMP OF COAL .-For years no one supposed that a piece of soft coal, dug from its mine or bed in the earth, possessed any other quality than being combustible, or was valuable for any other purpose than as fuel.

It was next found that it would afford a gas which is also combustible Chemical analysis proved it to be made of hydrogen. In process of time mechanical and chemical ingenuity devised a mode of manufacturing this gas and applying it to the lighting of buildings and cities on a large scale. In doing this, other products of distillation were developed, until step by step, the following ingredients or materials are extracted from it :-

1. An excellent oil to supply light houses, equal to the best sperm oil, at lowest cost.

2. Benzole—a light sort of ethereal fluid-is used for the purpose of portable gas lamps so called.

3. Naptha-a heavy fluid, useful to dissolve gutta percha, India rubber, etc. 4. An oil excellent for lubricating

5. Asphaltum, which is a black, solid substance, used in making varnish, covering roofs and covering over vaults.

6. Parrafine—a white crystalline substance, resembling white wax, which can be made into beautiful wax candles; it melts at a temperature of 110 degrees, and affords an excellent light. All these substances are now made from soft

A GOOD CEMENT for mending almost anything may be made by mixing together litharge and glycerine to the consistency of thick cream or fresh putty. This cement is useful in mending stone jars or any coarse earthenware, stopping leaks in seams of tin pans or wash boilers, cracks and holes in iron kettles, etc. I have filled holes an inch in d'ameter in kettles, and used the same for years in boiling water and feed. It may also be used to fasten on lamp tops, to tighten loose nuts, to secure loosebolts whose nuts are lost, to tighten loose joints of wood or iron, loose boxes in wagon hubs, and in a great many other ways. In all cases the articles mended should not be used till the cement has hardened, which will require from one day to a week, according to the quantity used. This cement will resist the action of water hot or cold, acids, and almost any de-

One of the latest engineering projects made public, is that of blocking up the Straits of Belle Isle, which separate the coast of Labrador from Newfoundshores of the Gulf of St. Lawrence much colder than those of the ocean. shut up, the climate of Canada would be much tempered, and navigation in the gulf'could be kept up all the year round. The straits are eight miles and a half wide in their narrowest point, and very deep.

Every now and then a cloud of sand obscures the sun's rays at Rome. The that it hangs like a millstone about the | phenomenon has frequently occured beneck of the owner, dragging him down; fore. The sand rises into the air from his whole family, wife, sors and daugh- African deserts, and floats a long time ters are obliged to work constantly, and in the atmosphere. The rigging of often over exert themselves in order to ships is often covered with it at a diskeep the machine moving! oil fails and | tance of over a thousand miles from the African coast. The particles are ex-

It is announced that the rock foundation of the famous Eddystone Lighttual culture at any odd or leisure hours, it and erect another in its stead.

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For Scrofula, and all scrofulous diseases, Erysipelas, Rose, or St. Anthony's Fire, Eruptions and Eruptive diseases of the skin, Ulcerations of the Liver, Stomach, Kidneys, Lungs, Pimples, Pustules, Boils, Blotches, Tumors, Tetter, Salt Rheum, Scald Head, Ringworm, Ulcers,

Sores, Rheumatism, Neuralgia, Pain in the Bones, Side and Head. Female Weakness, Sterility, Leucorrhœa, arising from internal ulceration, and Uterine disease, Syphilitic and Mercurial diseases, Dropsy, Dyspepsia, Emaciation, General Debility, and for Purifying the Blood.

This Sarsaparilla is a combination of vegetable alteratives - Stillingia, Mandrake, Yellow Dock - with the Iodides of Potassium and Iron, and is the most efficacious medicine yet known the diseases it is intended to cure.

Its ingredients are so skilfully combined, that the full alterative effect of each is assured, and while it is so mild as to be harmless even to children, it is still so effectual as to purge out from the system those impurities and corruptions which develop into loathsome disease.

The reputation it enjoys is derived from its cures, and the confidence which prominent physicians all over the country repose in it, prove their experience of its usefulness.

Certificates attesting its virtues have accumulated, and are constantly being received, and as many of these cases are publicly known, they furnish convincing evidence of the superiority of this Sarsaparilla over every other alterative medicine. So generally is its superiority to any other medicine known, that we need do no more than to assure the public that the best qualities it has ever possessed are strictly maintained.

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