Agriculture.

FARMER GOODWILL.

Farmer Goodwill's beard is gray, And his hair is long and red, And his sharp eyes seem to squint ... Every way but straight ahead. But his heart is very kind, Though he looks so fierce and bad,— All the children run to him, And they call him Uncle Thad.

Well they know his pockets deep Hold for them the richest store,-Little books of tale and song, Nuts and apples by the score. All his sheep and cows and calves, For his word, his touch contend; Pigs, and geese, and filly too, For they know he is their friend.

Homely though your face may be, Bagged coat and trousers, too, They are but of small account If your heart is brave and true. Feathers may make fine birds, But not noble girls and boys, Love for all, and duties done, Can alone bring truest joys.

FATTENING POULTRY.—It is high time to begin to fatten ponltry for market. Early chickens have before this found their way thither and commanded good prices. But there are late chickens that need hurrying up to the plumpness that finds so great favor at Thanksgiving. Then there are the old hens, that have but lately gone through the moulting process, that strips them of feathers and of flesh as well. They need constant looking after in their feeding; if one kind of food does not suit them, try another, and yet another, till they come to their appetite and eat with a relish and a will. A mash of Indian meal and boiled potatoes, when warm, is very nice for them. The turkeys must have their supply too. These cool mornings they are great eaters. Remember that the insect tribesgrasshoppers especially - on which they lived through summer, are now gone. Remember, too, that it takes more to fill them now than when they were but a third or half their present size. Don't stint them in their daily allowance. If you do you will only be cheating yourself, as their lean, impoverished condition will tell you to your cost, when you come to sell them. Keep a sharp eye on the flock that none of them be lost or injured. Their roosting place should be near the house and on a tree if practicable. Here they are safer than in any other place. Headed to the wind they can ride out storms in safety. High above foxes and other destructive animals, they can possess their soul sin patience. So day and night they will be laying on the rich juicy flesh that gives to the turkey its great value for the table and makes it so indispensible to the autumnal feast day of New England.

RULES FOR THE CARE OF SHEEP .-Keep sheep dry under foot with litter. This is even more necessary than roofing them. Never let them stand or lie in mud or snow.

Drop or take out the lowest bar as the sheep enter or leave a yard, thus saving broken limbs.

Begin graining with the greatest care, and use the smallest quantity at first. If a ewe loses her lamb, milk her

daily for a few days, and mix a little alum with her salt. Give the lambs a little mill feed in

time of weaning.

Never frighten sheep if possible to avoid it.

Sow rye for weak ones in cold weather if you can. Separate all weak, or thin or sick

from those strong, in the fall, and give them special care.

If any sheep is hurt, catch it at once and wash the wound with something healing. If a limb is broken bind it with splinters tightly, loosening as the limb swells.

Keep a number of good bells on the sheep.

If one is lame, examine the foot, clean out between the hoofs, pare the hoof if unsound, and apply tobacco with blue vitriol boiled in water.

Shear at once any sheep commencing to shed its wool, unless the weather is too severe .- From a circular issued by the American Emigrant Company.

What secures success in agriculture? Echo, culture.

In reaping and mowing, what will! lighten our toil? Echo, oil. What will check the reaping and

hinder the mowing? Echo, owing. Howshall we keep our stock from giving offence? Echo, fence.-Prarie Farmer.

Scientific.

AN ITALIAN DIVING BELL .- THE INVENTOR WRITING LET-TERS AT THE BO! TOM OF THE SEA.

The Polpa marina, or marina mole, is a recent invention of Signor Toselli, ot Naples, by which he descends into the sea with plenty of air and plenty of room, and is enabled to continue, for four hours, his minute scientific observations on surrounding submarine life at a depth of 31 fathous (186 feet)

under water. "It is 4 yards 8 inches long, cylindrical in form, and made entirely of iron and bronze. Its diameter is about 1 yard 4 inches. It is divided into four superposed compartments or diaphragms, the central one being reserved for the divers. The upper chamber contains the compressed air necessary for respiration during immersion. The lower chamber acts like the air bladder of fishes, as it increases or diminishes the weight of the machine proportionably to the quantity of water it displaces. Finally, the last compartment, which is at the end of the cylinder, is filled with the necessary quantity of lead to keep the machine in a vertical position, like an aerometer.

"The experiment began about noon. After soundings had been taken, the machine, then empty, was sunk into the sea, and left for some time at the depth of 30 fathoms, to try if it would bear that pressure without being smashed; as soon however, as it was again seen floating upon the surface of the water without having received the | Windsor, Newport, and Truro. slightest injury, the bystanders ceased to entertain doubts of Signor Toselli's safety, whilst he, perfectly calm, got into his marine mole, and descended slowly to the bottom of the sea. The lowering of the machine through 30 fathoms of water took three and one half minutes. When, atter awhile, it was seen floating again, and when the the sum subtract the time of rising. lid opened, and Signor Toselli came out smiling and serene, cheering burst out on every side.

"During his sojourn at the bottom of the sea Signor Toselli wrote the following report of his experiment to the well-known director of the Royal Observatory of the Vesuvium, Signor Palmieri, who was a witness of the experiment, and expressed himself highly satisfied with it:

"Sir: The sensations I experience at this moment are so strange and numerous, that, should I wait to write and will be prepared to furnish his numerous them down, I am sure they would slip

from my memory. "First of all I must tell you that the water here does not look like itself any longer, but seems really to be a motionless mass of transparent glass; quite luminous enough to allow of reading and writing.

"The bottom of the sea seemed at first to hurry towards me; then I saw it stop, and after a while glide away from me. I was quite astonished at this, and almost feared lest my eyes that the movements of the manometer kept in direct communication with the sea, I felt reassured, having at once surmised the cause of the apparent will be found deserving of attention. movement. When I tancied the bottom of the sea was running towards me, it was a proof that I was sinking with a certain speed; when the bottom seemed to have stopped moving, it was myself in fact who did not move; and when the bottom sunk rapidly as if A New and Popular Series of the stores near where you live send the price running away from me, I was then ascending towards the surface.

"It is very amusing to see so many fishes swimming to and fro on all sides, and to be able to enjoy a curious spectacle without experiencing the slightest inconvenience.

"Such silence prevails here that it would seem terrible to some people; but I consider it, on the contrary, a peculiar sort of pleasure to breathe in such a medium.

"The barometer marks 81 centimeters of pressure, the igrometer in my cell indicates 26 degrees, and the one outside only 15. The manometer communicating with the sea shows the depth to be 31 fathoms. The other manometer still marks two atmospheres. which tells me that there is yet air enough in the chamber to allow me to stop here four hours longer, without

running any danger of suffocation. " All the contrivance of my machine perfectly answer the purpose I had in view, except the lid, which shuts and

opens too slowly. "I can venture to say that I have hit the mark at once. This makes me feel an indescribable joy, which I wish to share with you, and with all those

honored and illustrious persons, who, by favouring me with their presence, have generously offered to my weary mind the best of all remunerations. Yours, &c.

G. B. Toselli." "From the bottom of the Bay o

MESSENGER ALMANACK.

NOVEMBER, 1871.

Last Quarter, Nov. 5th, 8h. 41m, morning. " 12th, Oh. 54m. atternoon. First Quarter, "19 h, 4h, 32m, morning Full Moon, "26th, 4h, 39m, afternoon " 26th, 4h. 39m. afternoon.

D	Day	av SUN:				MOON.						High Tide
×		R	ise	S	ets	Ris	ses	Sot	ath	18	ets	at Halifax
1,	W	Rest.	41	4	47	7	48	2	45	10	25	9 49
2	Th	6	42	4	45	8	37	3	34	11	20	10 18
3	F	6	44	4	41	9	32	4	42	A.	11	10 53
4	Sa	6	45	4	42	10	32		13	0	54	11 34
5	SU.	6	46	4	41	11	35	6	2	1	32	A. 18
6	M	6	48	4	40	mo		6	50	2	5	1 18
7	l'u .	6	49	4	38	0	42	7	38	2	34	
8	W	6	51	4	37	1	50	8	21	2	58	
9	Th	6	52	4	36	3	0	9	11		22	
10	F	6	64	4	35	4	11	9	59	3	47	
11	Sa	6	55	4	34	5	26	10	50	4	14	
12	SU.	6	56	4	33	6	44	11	44	4	44	
13	M	6	57	4	32	8	4	A.	42	5	20	
14	Tu	6	59	4	30	9	22	1	43	6	4	8 43
15	W	7	0	4	29	10	34	2	46	6	58	9 26
16	Th.	7	2	4	28	11	36	3	50	8	4	10 11
17	F	7	3	4	27	A.	25	4	50	9	15	11 3
18	Sa .	7	4	4	26	1	#7	5	47	10	27	11 59
19	SU.	7	5	4	26	1	40	6	40	11	40	
20	M	7	7	4	25	2	ō	7	26	me	orn	
.21	Tu.	7	8	4	24	2	28	8	12	0	47	
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2+		7	12	4	22	3	36	10	23	4	5	
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30		1	-	ľ		1				1		

THE TIDES .- The column of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport,

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

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.

A. V. P. B.

A RCHIBALDS VEGETABLE PAIN A BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Killer now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung

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gists in the Provinces. Oct. 21. l yr.

Sept. 27.

Wholesale Dry Goods Warehouse,

Fall---1871.

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The tone possesses a most fuscinating quality, closely resembling the real VOX HUMANA, being delicate and sympathetic and free from the disagreeable tremor that haunts most of the mis-called VOX HUMANA stops.

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Cures LIVER COMPLAINT, DYSPEPSIA, ACIDITY of the STOMACH, DEBILITY and PAIN in the BACK, RESTORES the VITAL ENERGIES, when exhausted, braces up both the Nervous and Muscular System, PURIFIES the BLOOD, and Restores the Appetite. Particular attention is called to the fact

PERUVIAN BITTERS

are not an Alcoholic preparation, but simply a scientific combination of valuable Roots and Barks, which purifies the Blood and restores the waste, thereby bracing up both the Nervous and Muscular Systems, and giving that permanen: HEALTH, STRENGTH and VIGOR, both of mind and body which nature intended man should possess.

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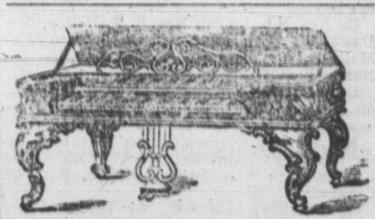
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