# Agriculture.

A SEASONABLE HINT .- Warm your horse's bit before putting it in his mouth. Mach unintentional cruelty is inflicted on the poor dumb animals by putting the icy cold bit into the warm mouth. A little warm water is all that is needed. Perhaps it would be well for some thoughtlass people to put the bit to their own mouth for a few minutes before putting it into that of their horse, and they will have a lesson which will last them a lifetime and save their horse much needless pain ever after.

WEANING LAMBS .- It is very frequently the case that lambs are let run with their dams too long, which has an injurious effect upon both. So long as they run together, the lamb will depend on the milk drawn from its mother for sustenance, which often does not amount to much, consequently, both are the worse for not being separated. Persons who have had large experience in sheep-raising generally agree that four months is the proper age to wenn lambs of all treeds.

An idea prevails to a considerable extent that it will not do to sep rate lambs from the ewes in "dog days." This is all fudge, and the sooner superstitious ideas are abandoned the better; provide good pasture and give them good care, is the all important consideration. When separated the lambs should be put so far apart that they will not be in hearing of each other, as this causes them to be restless and uneasy.

Do not turn the lambs on fresh clover pasture, as it is certain to cause sourin and other ailments; good timothy and blue grass is the best, but it should not be very long. As soon as pasture begins to fail, or at least so soon as the first frosts have touched the grass, a little extra feed of some sort should be given. Oats and bran mixed together make a nice feed to begin with, and a little salt added to it will give them more of a relish for it; rye also makes a first rate feed for them, but it is not quite so well relished; corn makes an excellent winter feed, but care should be taken at first not to feed too much at a time. It is best to put a few old tame sheep with the lambs to teach them how to come when called.

The ewes should be put on the dryest pasture on the farm for a few days to assist in drying up the milk, and it may be found necessary to milk some of them a time or two.

Should cold rains prevail during the early fall months, lambs should be put under shelter, and have some hay given them in the racks; and as the season advances they should be kept in of nights. By doing this by the time winter sets in, they will be so taught to eat that the change from pasture to dry feed will not be perceptible.

It will not require a person to keep sheep many years until he will find out that the main thing in wintering them is to keep them up in the fall, for if permitted to losse flesh then they will not recruit up again during the entire winter, more especially is this the case with lambs .- Agricultural Commonwealth.

WATERING SHEEP .- " Many persons are under the impression, that it is wholly or quite unnecessary to water sheep more than once a day in winter and not at all in summer, when on pasture. There could not be a greater fallacy. It is true, that sheep and also horses will manage to live, and even do tolerably well in dry pastures in summer, by feeding exclusively at night. But careful observation will show that, if allowed, water will always be taken in small quantities, and usually at regular intervals, and this with advantage to themselves and profit to their owners. There can be no more vicious practice than that of watering but once a day, as many otherwise good farmers do.

When was Rome built ? asked a school committeeman of the first class in ancient history. "In the night," answered a bright little girl. " In the night !" exclaimed the astonished examiner. "How do you make that out?" "Why I thought everybody knew that 'Rome wasn't built in a

A little girl went into a drug store the other day, and said to the proprietor in a half whisper, " If a good little girl ha'n't got no money, how much chewing gum do you give her for nothing?

## Scientific.

ATTACHING SLATES .- A Boston architect says he has been in the habit for many years of bedding his roofing slates in hydraulic cement, instead of having them nailed on dry in the usual way, which leaves them subj ct to thoughtfulness of a boy, who threw a be rattled by the wind and to be broken by any accidental pressure. The cement soon sets and hardens, so that the roof becomes like a solid wall. The extra cost is ten or fifteen per cent, and he thinks it good economy, considering only its permanency and the they demand sacrifices, but every good saving in repairs; but besides this, it affords great safety against fire, for slate in the usual way will not protect the wood underweath from the heat of a fire at a short distance.

The Scientific American describes a strange fertilizer. At Stratford, Connecticut, musquitoes are as thick as a fog, lives an ingenious Yankee, so they say-believe it who may-who puts these insects to profitable uses. He has invented a large revolving scoop-net covered with lace, which is put in motion by a windmill, water power or steam. The lower half of the scoop is placed in water. The upper half moves through the atmosphere, and at each rotation draws an immense number of the "squitoes" down into the water, where they drown and sink to the bottom. Every revolution draws in an ounce of musquitoes or a ton for 32.000 turns of the machine. The musquitoes thus collected make a splendid manure for the land, worth \$40 a ton.

REMARKABLE OCCURRENCE. - Some twelve months ago (says the Armidale Chronicle) the matron of Armidale gaol, while drinking water after eat. ing a few grapes was sensible of swallowing some foreign substance. At the time she supposed it to be the stalk of a grape, but shortly after she changed her opinion, and came to the conclusion that it was either a pin or a needle. The occurrence was soon nearly forgotten. At times there was considerable pain in the region of the right breast, which however, was supposed to arise from some affection of the internal organs, and was treated accordingly. About a fortnight ago, while engaged in her domestic duties, Mrs. Caldwell noticed a pricking and irritation low down on the left side, and upon examination, and subbing the part affected, the eye part of a needle protruded itself. After some considerable trouble, the whole of the needle was extracted.

It may be of some value to telegraph operators who have marblebased instruments, and housekeepers who have marble top furniture, to know that the common solution of gum arabic is an excellent absorbent, and will remove dirt, etc., from marble. 1. Brush the dust off the piece to be cleaned then apply with a brush a good coat of gum arabic, about the consistency of a thick office mucilage, expose it to the sun or dry wind, or both. In a short time it will crack and peel off. If all the gum should not peel off, wash it with clean water and a clean cloth. Of course, if the arst application does not have the desired effect, it should be applied again. 2. Make a paste with soft-soap and whiting. Wash the marble first with it, and then leave a coat o the paste upon it for two or three days. Afterwards wash off with warm (not hot) water and soap .- Scientific American.

TO STEAM A TURKEY .- All of usare used to roast and boiled turkey, but a steamed turkey is more of a novelty, while it is also a most delicious dish. Cleanse the fowl thoroughly; then Dominion, English or American. rub pepper and salt well mixed into the inside of it. Fill up the body with oysters mixed with a small cupful of bread crumbs. Sew up all the aper-> tures; lay the turkey into a large steamer and place over a kettle of boiling water ; cover closely, and steam thoroughly for two hours and a half. Now take it up; set the platter in a warm place, and turn whatever gravy there is in the steamer, straining it first into the oyster sauce which you have prepared, in the following manner : Take a pint of oysters, turn a pint of boiling water over them in a colander. Put the liquor on to boil, skim off whatever rises on the top. Thicken it with a tablespoonfuls of flour rubbed into two tablespoonful of butter; season well with pepper and salt. Add two or three tablespconfuls of cream or milk to whiten it; and pour it over the turkey and platter; serve boiling

the turkey is still in the steamer, so that it can be poured over the as soon as it is taken up .- Country Gentleman.

The life of a man whose clothing was caught in the shafting of a Dalton mill, recently, was saved by the dipper full of soap on the main belt, causing it to slip until the machinery could be stopped.

From scientific pursuits a certain dignity and grandeur result. True, must first be won by labor and energy.

There was recently discovered near Stauton, Virginia, a large deposit of red hematite iron ore, probably thirty feet wide and extending several miles.

Joyful news for the Afflicted,

### GATES' Life of Man Bitters.

Wilmot, February 15, 1866. Mr. Caleb Gates - Dear Sir-I feel entirely well of pain in my side and have raised no more blood and matt-r since taking two bottles of your medicine I have tested it in my family with a like result; my wife, one of my sons and myself have all been cured of severe affections of the Lungs and stomach by its use after every other medicines have failed. I cordially re

JOHN H POTTER

Caledonia June 4. 1863. This is to certify that I was given up by all the most skilful physicans in New York with the dropsy, in its worst form, with a large lump in my side, and swelled out of all kind of human shape, when hearing of Mrs. E. Gates medicine, I was indouced to try it, and by so doing I am happy to inform the public, I am restored to perfect health.

JOHN CANE. The medicines are manufactured by. CALEB GATES.

CALEB GATES, ESQ.

commend it.

Sir .- This is to certify that I was for a oon siderable length of time seriously affected with indirection accompanied by a severe pains in the chest and side. After trying different medi cines without experiencing any permanent tell twas indued by your Aget to try his mediciues and after using three bottles of Bitters and Syrup, I was entirely cured. I would cheerfuly recommend it to all similarl, afflicted.

GEO DONKIN. Conductor W. A. Railway. Kentville. Oct 5th, 1870.

This is to certify that C Wheelock of Nictaux Annapolis in the Country of Annapolis and Province of Neva Scotia has been afflicted with Liver Complaint and c implicated disease two years. Have tried different physicans and different medicines of various kinds, but found little or no relief until I applied to Mr. Caleb Gates for his medicine. After using it I soon found the diseases had to yield under his treatment. I write this for the benefit of others who may be afflicted as I have been. August 4, 1866.

CHRISTIAN WHEELOCK PRICE. Bitters \$1 per quart : Syrup 50 cents per pint bottle; Liniment 20 cents per bottle and the

ointment 30 cents per bex

Address CALEB GATES & CO., Farmington. Wilmot, Annapolis Co. A large number of certificates, similar to the above, have been received and will be published at times for the information of the afflicted and the people generally.

AGENTS .- George V. Rand, Wolfville. John Webb, Windsor. J. E. Newcomb, Hantsport. J. L. Cogswell, Kentville. Sheffield & Wickwire, Canning.

GENERAL AGENT, JOHN K. BENT. 126 Granville Street, Halifax. Jan 15.

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hot. This sauce must be made while HALIFAX N. S., FEBRUARY 12, 1873 MESSENGER ALMANACK.

> FEBRUARY, 1873. First Quarter, Feb. 4 h, 5h. 51a. morning.

Full Mcon,

" 12th, 7h. 19m. morning.

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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 Tormentine, 2 hours and 11 minutes later than at Ha ifax. At Annap lis, St John, N. B., and Portland Maine, 3 hours and 25 minutes later, and ut 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 Yai mouth, 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.

FOR THE LENGTH OF THE NIGHT -Sube. t: the time of the sun's setting from 12 hou. . . ' to the remainder add the time of rising n



## WINDSOR & ANNAPOLIS RAILWAY.

CONDENSED TIME TABLE.

DECEMBER, 1872. HALIFAX TO ST. JOHN.

Miles.	STATION	Exp	Pass.	Ps.		
	PA PERSON	7.8	ı			P. M.
0	Halifax-	Leave				2.45
8	Bedford	**				3.15
13	Wind, Junction	- 14		8.40	9 45	3.45
26	Mount Uniacke	"		9.18	10 40	4.38
39	Newport	44	••	10.00	11 33	5.33
45	Windsor	**	••	10.20	12.20	6 10
	Hantsport	. "		10.40	12.50	6 40
000000000000000000000000000000000000000	Wolfville	41		11.10	1.40	7 45
100000000000000000000000000000000000000	Kentville	44		11.40	2.40	)
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101	Middleton	11		12.58	5 00	)
	Lawrencetown	44		1.15	5 2	51
	Bridgetown	44		1.35	6 0	0
	Annapolis-arr	ive		1 2.15	6 4	51

190 St. John by Steamer ... | 8.00

ST. JOHN TO HALIFAX.

M.i.	STATION	1	Ex	p.	Pass.		Pass	
1	St. John by Stee	amer.	1000	77.000		Á )	200	8.00
0	Annapolis	Leave				8.1	5	2.2
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	Lawrencetown	66				9.4	10	3.1
	Middleton	44	!			10.0	07	3.3
	Aylestord	- 11				11.	15	4.1
	Berwi k					11.	35	4.2
	Kentville	44		7	.30	1.	00	5.0
	Wolfville	44		7	.53	1.	32	5.2
	Hantsport	**		8	.33	2.	15	5.5
84		44		9	.20	3.	00	6.1
90	Newport	1.44		9	.56	3.	27	6.2
	Mount Uniacke	44		10	.45	4.	35	7.0
W. C. W.	Windsor June.	11 20		11	.45	5.	35	
	Bedtord	- 11		12	.03	5.	55	
	Halifax-Arrive			12	.30	6.	25	8.5

N. B .- The Express Trains run on Monday, W duesduy, and Saturday only. Steamer "Scad" leave St. John on Monday, Wednesday, and Saturday, at 8 a m., for An-

napolis, and return same day on arrival of 8 a. m. Express Train from Hairfax. International Steamers leave St. John every Thursday at 8 a. m., tor Eastport, Portland,

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Kentville, 16th Dec., 1872. Manager.

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Halitax, December 5th. 1872-

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EDWIN F. COTLIP

R C. MARGESON & Co. Dear Sir -I feel constrained to make you my acknowledgement for benefit received, as fellows: My horse was suffering from suppresion or the urinary organs, and was, in consequence, suffering considerable pain; I was recommended to try your Calculituge; I procured it and gave a strong dose, and am happy to say it had the desired effect in a complete

Yours, with regard, J. B. SMITHERS. Dec 18.

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Dec. 18.

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