Agriculture.

HOW TO DRIVE A HORSE.

Young man, I see you are about to take a drive this morning, and will offer you some advice. Your horse is restive and wants to be off before you are ready; you may as well break him off this now as at any other time, and hereafter you will find it has been a half hour well spent. Just give me the reins, while you put your foot on the step, as if to get in; the horse makes a move to go; I tighten the reins and say "whoa." Now put your foot on the step again the horse makes another move; I hold the reins and speak to him again. The horse is getting excited. Pat him a little on the neck, and talk to him soothingly. Put your foot upon the step again, and repeat this process until the horse will stand still for you to get in, and adjust yourself in your seat, and ell him to go. A few such lessons will train bim so that he will always wait for your order before starting.

Now as your horse has just been fed, drive him at a very gentle pace for the first two or three miles, until he warms up and his body becomes lighter. But before you start, let me show you how to hold the reins. Take them in your left hand, have them of equal length from the bit, and to cross each other in your hand, the off side one resting on your finger the back of the - hand upwards. Now, in guiding the horse; you have only to use the wrist joint, which will direct him either right or left, as you wish. Keep your hand steady, with a gentle pressure on the bit-no jerking or switching of the reins. If more speed is wanted, take the whip in your right hand, to be gently used for that purpose ; be careful not to apply it any harder than is necessary to bring him up to the required speed.

Speak to him sootlingly, and intimate, in the most gentle manner, what you want him to do, and he will try to do it. So noble an animal should not be handled roughly, nor over-driven.

When you return, have the harness removed at once, and the horse rubbed down with a wisp of straw or hay. Give him a bit of straw or hay, and let him cool off before being watered or fed. Every one who handle's a horse, or has anything to do with one, should in the first place cultivate his acquaintance; let him know that you are his friend, and prove it to him by your kind treatment; he needs this to inspire confidence, and when that is gained, he is your humble servant.

If your horse gets frightered at any unusual sight or noise, do not whip him, for if you do he will connect the whipping with the object that alarmed him, and be afraid of it ever after -If he merely shies at an object give him time to examine it, which, with some encouraging words from the driver, will persuade him to p ss it. You get frightened, too, sometimes. and would not like to be whipped for it .- Stock Journal.

Too Poor .- Moore, of the Rural New Yorker, was sitting in his office one afternoon, some years ago, when a farmer friend came in and said :

"Mr. Moore, I like your paper, but times are so hard that I cannot pay for

" Is that so, friend Jones? I'm very sorry to hear that you are so poor; if you are so hard run I will give you my paper."

"Uh, no! I can't take it as a gift." "Well then, let's see how we can fix it. You raise chickens, I believe. "Yes, a few, but they don't bring

anything, hardly." "Don't they? Neither does my paper cost anything hardly. Now have a proposition to make to you. I will continue your paper, and when you go home you may select from your lot one chicken and call her mine. Take good care of her and bring me the proceeds, whether in eggs or

chickens, and we will call it square." " All right, Brother Moore," and the fellow chuckled at what he thought a capital bargain. He kept the contract strictly, and at the end of the year found that he had paid four prices for his paper. He often tells the joke himself, and says he never had the face to say he was too poor to take a paper from that day .- Model Farmer.

OVER-STUDY, over-anxiety, too little sleep, too little exercise, too much sugar take away the appetite, and those who cannot eat should not study, for nerve power is thereby permanently impared .- Herald.

Scientifix

NECESSITY OF VENTILATION.

I hold that the breathing of impure air is a fruitful source of disease of the right heart occuring after middle age. How many people ignorantly favor its occurrence by confining themselves to closely shut, non-ventilated, hot, stiffing rooms, in which the carbonic acid has accumulated to two or three per. cent. of the air they respi. e! How many are thus destroyed by being compelled through the exigencies of life, to pass the greater part of their time in pits and manufactories where ventilation is defective, or in which the air respired is poisoned by noxious fumes and offensive emanations from the materials undergoing the process of manufacture! How many are falling victims to the poisonous influence upon the heart of the atmosphere of an under ground railway! What do these facts suggest? How are these evil results to be prevented? The simple answer is: Let the rooms in which you live be effectually ventalted by an incoming current of air filtered from all adventitious impurities, and so divided that no draught shall be felt; and by an outgoing current which shall remove from the apartments the carbon- Windsor, Newport, and Fraro. ic acid, carbonic oxide, sulphurous acid gas, sulphuretted nydrogen, and other noxious compounds, as rapidly as they are generated. Apply the same principle to public buildings, theaters, schools, manufactories, pits, and to al places is which people are accustomed to congregate. - Popular Science Monthly.

STONE-COLORED WASH .- I painted a board fence and a rough out-building two years ago, and it is nearly as good to day as it was when finished, and it costs comparatively nothing. The fence is a common, rough board fence, with a cap-board nailed on the top; and I have leaned on the fence a hundred time , and it will not soil a black coat, or any garment, by so doing but appears slaty, with no disposition to crumble.

" Take two pounds of flax seed and boil it in a common wash boiler for an hour or mere, in four pails of water; after thoroughly boiling, strain it into an old tight barrel; put in one peck, in bulk, of common land plaster, one peck of nicely sifted wood ashes, one quart of wheat flour, and one quart of sal. Put in your barrel a good stick as large as a handspike, and stir it until it is as thick as cream; let it stand i. the sun for a week, and every time you go by the barrel, stir it thoroughly, and by the end of a week it won't settle, will remain incorporated, and is fit for use."

The above was made in quite warm weather, and worked up like sponge | 190 st. John by Steamer ... 8.00 batter, two or three times, before putting it on; but a good stirring would in a minute or two, reduce it again to its creamy consistency. It is now as hard as slate, and is certainly valuable in preserving the wood, and is a cheap luxury in good looks for fences or second-class buildings, and I know it is no humbug .- Rural Home.

THE BOTTOM OF THE ATLANTIC:--The soundings which were made between Ireland and Newfoundland before laying the Atlantic cable have made the bottom of the Atlantic almost as well known as the surface of Europe and America. It is covered with a fine mud, the remains of micrescopic insects, which will one day doubtless harden into chalk. Ot the inequalities of this ocean bottom, Prof. Huxley says:

"It is a prodigious plain-one of the widest and most prodigious plains in the world. If the sea were d sined off, you might drive a wagon all the way. From Valentia, on the west coast of Ireland, to Trinity Bay in Newfoundland, and except one sharp incline, about 200 miles from Valentia, I am not quite sure that it would ever be necessary to put the skid on, so gentle are the ascents and descents upon that long route. From Valentia the road would lie down hill for about two hundred miles, to the point at which the bottom is now covered by 1,700 fathoms of sea water. Then would come the central plain, more than 1,000 miles wide, the inequalities of the surface of which would be hardly perceptible. Beyond this the ascent on the American side commences and gradually leads for about 200 miles to the Newfoundland shore."

The most manifest sign of wisdom is continual cheerfulness .- Montaigne.

HALIFAX N. S. JANUARY 22, 1873. MESSENGER ALMANACK.

JANUARY 1873.

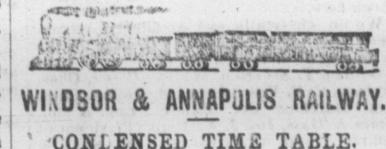
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THE TIDES .- The column of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport,

High water at Pictou and Cape Tormentine, 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 at St. John's, Newfoundland 20 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54

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. OR THE LENGTH OF THE NIGHT -Sub-

the time of the sun's setting from 12 to the remainder add the time of



DECEMBER, 1872.

HALIFAX TO ST. JOHN.

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> 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 -hape, 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 an restored to perfect health. JOHN CANE.

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commend it.

Sir,-This is to certify that I was for a oon siderable length of time seriously affected with indigestion accompanied by a severe pains in the chest and side Atter trying different medi cials without experiencing any perminent reliefwas induced by your Agert to try his me di ciues and after using three botties of Bitters and Syrup, I was entirely cured. I would cheerfuly recommend it to all simi-

larl, afflicted. GEO DONKIN.

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

This is to certify that C Wheelock of Nictaux Annapolis in the C untry of Annapolis and Province of Nova Scotia has been afflicted with Liver Complaint and c unplicated disease two years. Have tried different physicans and different medicines of various kinds, but found lit. | Pugwash-Angus McDonned. tle or no relief until I applied to Mr. Caleb | lawdon-John McLearn, sq Gates for his medicine. After using it I soon | Rive. Philip -Thomas H. Patton found the diseases had to yield under his treatment. I write this for the benefit of others who may be afflicted as I bave been. August 4, 1866.

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