Agriculture.

OBSTINATE HORSES.

A horse "balks" far oftener from some, to him, good and sufficient reason than because he is obstinate, but occasionally a horse will make up his mind not to go past a certain place and it is very likely no amount of whipping will force him to go. The first thing which should be done is to ascertain if the load is too heavy, if the harness is easy, if there are stones in the hoofs, or if any thing frightened the animal; sometimes a little patience and patting will be sufficient, and at any rate will be better than any amount of flagellation. There are also some simple devices which are sometimes effective. The writer hereof has seen a horse induced to move on, and that, too, after he had been severely beaten, by covering his eyes and breathing into his nostrils. In this instance the operator simply placed his hands as closely as possible over the animal's eyes, and breathed two or three times into one of his nostrils. Another method which we cannot vouch for personally is told in a narrative form, concerning a horse, ridden by a groom which retused to pass a certain place, rearing and plunging in such a way as to endanger the lives of both horse and rider. Presently a spectator of the scene walked up to the groom and said, "I think, my man, you are not taking the proper method to make the horse go; allow me, if you please, to show you a trick worth knowing' "Well," said the groom, "if you can make him go, it's more than I can." The first speaker then took a piece of whip-cord and tied it with a firm knot to the end of the animal's ear, which he bent gently down, fastening the end of the string to the check-buckle of the bridle; this done, he patted the horse's neck once or twice, and said, "Now let me see you go quietly home, like a good horse." The horse moved off as gently as if nothing had happened. Probably neither of these devices has any especial virtue in itself, but each of them involves a certain amount of gentle treatment, and certain manipulations to which the horse is unaccustomed. If either plan should be resorted to in a violent manner, and as if the covering of the eyes or the tying of the cord were intended as a coercive measure, very likely the horse would remain obstinate and savage. If properly and kindly executed some such plan as those we have mentioned will divert the horse's attention, arouse his curiosity, and it is very likely that he will move on as if nothing had happened. - Christian Union.

THE POTATO-MODE OF PLANTING, &c.,-The extensive use of this esculent, and the important position that it occupies, not only in the household but in the economy of the farm, renders the consideration of its cultivation a subject of no inconsiderable consequence; in fact it has come to be one of the most important that engages the attention of the farmers, so much so as to result in the production of not only innumerable varieties, in contrast with the few of a short time ago. but also those that, compared with old varieties, possess much greater value

for culinary use.

It was formerly believed to be necessary to simply divide a good sized tuber only once or twice, and so plant two pieces in the hill. This did very well while potatoes were comparatively cheap; but upon the introduction to the notice of planters of those celebrated varieties of later times, which were sold at from four to fifty dollars per pound, most purse strings would forbid the excessive use of so expensive seed, and, as a consequence, there was a division of tubers into minimum proportions for the purpose of spreading the seed over a maximum surface of ground, so that in contrast with one division of a tuber and two pieces in each hill, was seen, even sub-division of the eyes, with pieces of the tuber of the size perhaps of a pea, and only one

of these pieces to each hill. And what has been the result? Instead of failure, both in size and quantity, as most would at first suppose, judging from the impression that the parent tuber is necessary to the early sustenance of the young plant, the result has been a perfect success both in size and quantity. Numerous instances might be cited, in which, from so dividing a single tuber of only good fair size, the yield was a bushel and over. Now, who supposed

that by taking the same potato, subdividing it, and planting both pieces in one hill, anything like such a yield could be exhibited? Thus we see how the force of circumstances will sometimes produce results that are of themselves exceedingly valuable. And as stated above, the practice of a few years has placed an entirely new phase upon the belief and practice of farmers as regards the quantity of seed to be used in the planting of potatoes; and the practice now is to scatter the seed more—that is sub-divide the potato much more, and place one piece for a hill, and the hills much nearer together. In this practice it has been found that, while perhaps the number of tubers is considerably less in a hill than by the old method, they are much more uniform in size, and from the increased number of hills the aggregate yield upon an acre is con-iderably increased, which is a matter of consequence in the cultivation of the crop. -Correspondent of Canada Farmer.

Scientific.

CARBOLIC ACID paper, which is now much used for packing fresh meats, to preserve them against spoiling, is made by melting five parts of stearine at a gentle heat, and then stirring in thoroughly two parts of carbolic acid; after which five parts of melted paraf- M fine are to be added. The whole should be well stirred together until it cools, after which it is again melted and applied with a brush to the paper, in quires, in the same way as in preparing the waxed paper so much used in Europe for wrapping various arti-

According to a late writer, sun stroke is due to the action of light upon the brain exerted through the eye, and not, as generally believed, to an elevation of temperature; and it is asserted that, if the eye be properly shaded from the glare of the sun, any extra or unusual precaution in the way of protecting the head and back of the neck may be dispensed with.

Cold has a highly stimulating effect when indiciously employed. Cold baths, the douche, and cold sponging, stimulate the circulation, the respiration, and the action of the skin. The whole body is thus invigorated, and a good standard of health maintained, which renders us better able to resist disease. Fevers, consumption, and even simple colds, as a rule, affect those first whose general health is below par. At Biarritz, and some other French bathing-places, hot water is provided for the feet on returning from the bath. By this very simple and obvious means, delica e persons can enjoy sea-bathing without experiencing the depression and chilliness which often render this luxury a very hazardous one. - Good Health.

THE MICROSCOPE. - Lowenboeck tells us of an insect seen with the microscope, of which twenty-seven millions would only equal a mite.

Insects of various kinds may be seen in the cavities of a grain of sand. Mold is a forest of beautiful trees, with branches, leaves and fruit.

Butterflies are fully teathered.

Hairs are hollow tubes.

The surface of our bodies is covered with scales like a fish; a single grain of sand would cover one hundred and fifty of these scales, and yet a scale covers five hundred pores. Through these narrow openings the sweat forces itself like water through a seive.

The mites make five hundred steps

a second. Each drop of stagnant water contains a world of animated beings, swimming with as much liberty as whales in the

Each leaf has a colony of insects grazing on it, like cows in a meadow.

SPRING OF INFLAMMABLE GAS IN KENTUCKY. In Lincoln county, nea the Cumberland mountains. Ky., there is a spring of water, kept in a constant state of agitation by the ascent of carburetted hydrogen. The well overflows once a day, and the gas is highly inflammable. No satisfactory explanation of the overflow of the water, which | LARGER AND MORE COSTLY STYLES occurs about two hours after the

He that blows the coals in quarrels he has nothing to do with, has no right to complain if the sparks fly in his face.

MESSENGER ALMARACK.

NOVEMBER, 1871.

Last Quarter, Nov. 5th, 8h. 41m. morning.

New Moon, " 12th, Oh. 64m. atternoon.			
First Quarter, "19 h, 4h. 32m. morning Full Moon, "26th, 4h. 39m. afternoon.			
Full Moon " 96th 4h 39m afternoon			
Pull Moon, 2010, Mit John. arterno in			
Dy SUN. MOON. High Tide			
≥ Wk Rise Sets Rises South Sets at Halifax			
1, W., 6 41 4 47	7 48 2 4	5 10 25	9 19
2 Th . 6 42 4 45	8 37 3 3	34 11 20	10 18
3 F . 6 44 4 44		12 A. 11	10 53
4 Sa. 6 45 4 42	10 32 5	3 0 54	11-34
5 SU. 6 46 4 41		2 1 32	A. 18
6 M. 6 48 4 40	mor 6		1 18
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8 W., 6 51 4 37	1 50 8 5	21 2 58	4 6
9 Th. 6 52 4 36	3 0 9	11 3 22	5 12
10 F 6 54 4 35	4 11 9	5) 3 47	6 1
11 Sa 6 55 4 34	5 26 10	50 4 14	6 43
12 SU. 6 56 4 33	6 44 11	41 4 44	7 22
13 M., 6 57 4 32	8 4 A	42 5 20	8 2
14 Tu., 6 59 4 30	9 22 1	43 6 4	
15 W., 7 0 4 29	10 34 2	46 6 58	
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	morn
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7 Tu . 6 49 4 38 8 W 6 51 4 37 9 Th 6 52 4 36 10 F 6 54 4 35 11 Sa 6 55 4 34 12 SU . 6 56 4 33 13 M 6 57 4 32 14 Tu 6 59 4 30 15 W 7 0 4 29 16 Th 7 2 4 28 17 F 7 3 4 27 18 Sa 7 4 4 26 20 M 7 7 4 25 21 Tu 7 8 4 24 22 W 7 10 4 29 23 Th 7 11 4 22 24 F 7 12 4 22 25 Sa 7 14 4 21 26 SU 7 16 4 20 27 M 7 16 4 20	4 31 11	53 6 12	7 11
27 M 7 16 4 20	5 4 mo	rn 7 15	7 48
28 Tu 7 18 4 19			8 23
29 W., 7 19 4 19		29 9 14	8 55
30 Fb. 7 20 4 19		18 10 6	

THE TIDES.—The column of the Moon's Southing gives the time of high water at Patrsboro', Cornwallis, Horton, Hantsport, Windsor, Newpo t, and Truro.

er at Pictou and Cape Tormentine, Il minutes later than at Ha ifax. s. Newfoundland 20 minutes earlier, out es 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 -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.

RCHIBALDS VEGETABLE PAIN 1 BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Kil er now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung

The Proprietor has removed to Trure, Colchester Co., N. S., is now extending his business, and will be prepared to furnish his numerous patrons with the above, as well as many other valuable remedies compounded by him. Sold by all the principal Dealers and Drug-

Oct. 21. l yr.

gists in the Provinces.

Wholesale Dry Goods Warehouse.

Fall---1871.

95 & 97 GRANVILLE STREET.

ANDERSON, BILLING & CO. ITAVE now completed their Importations

II for this Season. They invite Wholesale Buyers to an inspec tion of their Stock, which, being purchased at prices much below manufacturers present rates, will be found deserving of attention.

ANDERSON, BILLING & CO. Sept. 27. ~

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All kinds of work Plated & Gilt.

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Sep. 6.

American Organs.

A New and Popular Series of Instruments. The Manufacturers, desirous of meeting the

general desire for organs with all substantial excellences and at a moderate price, have designed and made a series of styles that are in all respects superior to any instruments for similat prices; namely from \$1 0 to \$200.

Not only are the cases of new and tasteful designs, but every part of the mechanism has been subjected to the most careful scrutiny in order to combine all the elements that can be

Numbers One, Two and Three are designed for private use. Number Three has a new and exquisite Solo stop, named

THE KALOPHON.

The tone possesses a most fascinating 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. Numbers Four and five will tound especially

effective in churches of moderate size. Number Four has an Octave of Sub-bass, and Number Five both Sub-bass and an Octave Coupler, giving a great increase of power, but

with no sacrifice of sweetness.

are also offered, of which the catalogue of maximum heat of the day, has yet been | the manufacturers will give information. Send

for circular ! Address The Smith American Organ Co.

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AGENT FOR THE PROVINCE. For sale in HALIPAX by S. SELDEN.

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Patent Sectional Spring Bed

THE Subscribers having been appointed Sole Agent in the Province for the sale of this article, recommend it as being the easiest and most comfortable to rest upon, and together with its durability, and t e facility with which it can be taken apart and cleaned, they feel certain that it will be found to be a most convenient article. GORDON & KEITH May 20.

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AN EXCELLENT

TONIC, APPETIZER, & STIMULANT. Cures LIVER COMPLAINT, DYSPEPSIA, ACIDITY of the . TOMACH, 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.

This BITTERS is not sold as a specific for every dis ase, but in cases of GENERAL DE-BILITY and its effects, such as Dyspepsia, is, St John, N. B., and Portland Loss of Appetite. Weakness of the small of hours and 25 minutes later, and at the Back, Weak Memory, Indspesiton for Exertion. Sense of Fullness after Eating, &c., Halifax. At Charlottetown, 2 hours | caused by anxiety over exertion, mental or ntes later. At Westport, 2 hours 54 bodily, late hours, and excesses of every kind, it has no equal.

Although these BITTFRS contain no Alcohol, they will most efectually wean the taste-from Stimulants and enable the system to dispense

with them at once.

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CERTIFICATES:

I have found Mr. Eagar's PERUVIAN BIT-TERS beneficial to myself and in my family, and have heard of their being used with good effect in another case in Windsor. TENRY HOW, D.C.L. (Signed)

King's College, Windsor.

MR. EAGAR,-I have used your PERUVIAN BITTERS in a personal case of Dyspepsia, and have derived the greatest benefit theretrom. C. HANDY, (Signed) Capt. R A.

LUNENBURG, 28th June, 1869.

MR. EAGAR,-I have used your PERUVIAN BITTERS and can highly recommend them, as I have derived great benefit therefrom.

(Signed) EDWARD H SOLOMON, Dy. Surveyor, Co, Lunenburg.

I have tried Mr. Eagar's PERUVIAN BITTERS, and can strongly recommend them. DUDLEY DE CHAIR. Signed, Halifax, June 3, 1869.

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Thousands of bottles have been sold and in no case has it tailed to give satisfaction. Be sure and obtain Engar's Odontine Es

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ment makers in London and Patis, their respective priced lists can be seen at his establish-

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pleasure when required. Should any article purchased at his establishment not prove to be what it is represent-ed, it can be returned at his expense, if not otherwise raade satisfactory.

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