

Simplicity of Construction means durability—easy running

The Frictionless Empire has *fewer wearing parts* than any other cream separator. For instance, it has no closed bearings on the spindle where other separators have at least one and generally two. The less parts the less wear—the less chances for getting out of order.

The EMPIRE Line of Cream Separators

You don't have to be a mechanic in order to take the Frictionless Empire apart and put it together again correctly. The Frictionless Empire is so constructed that each part is made to fit just one place and to go in that place in one way only. It is simply impossible to put the parts of Frictionless Empire together wrong.

The Frictionless Empire outclasses all other cone separators the same as the Empire Disc outclasses all other disc machines.

Whichever style of Empire separator you choose you are bound to be satisfied, for both are sold with a guarantee as good as a gold bond.

The Empire Cream Separator Company of Canada, Limited
Sussex, N. B. TORONTO, ONT. Winnipeg, Man



QUESTIONS AND ANSWERS. Veterinary.

DISEASED TONGUE.

Dog's tongue is swollen and coated with a white skin. D. E.

Ans.—Dress the tongue several times daily with equal parts white wine vinegar and water. V.

BURSAL ENLARGEMENTS.

Pony has a fleshy enlargement as large as a hen's egg on each hind leg, just below the hock. They are soft and do not change in size; are not sore and do not cause lameness. They have been present for more than a year. J. H. W.

Ans.—These enlargements are not fleshy. They consist in distension of little sacs that contain synovia, and are called "bursal enlargements." They are very hard to reduce. Get a liniment made of 4 drams each of iodine and iodide of potassium and 4 ounces each of alcohol and glycerine. Rub a little of this well into the parts once daily. This treatment should reduce them some in time, but you will have to continue treatment and have patience for a few months. V.

LUXATION OF PATELLA.

Mare takes cramps. She holds one hind leg stiff and trails it, then jerks it up quick and goes all right. F. J. M.

Ans.—This is luxation of the patella (commonly called stifle). Clip the hair on the front and inside of the stifle. Get a blister made of two drams each of biniodide of mercury and cantharides, mixed with two ounces of vaseline. Tie her head so that she cannot bite the parts. Rub well with the blister, once daily, for two days; on the third day apply sweet oil. Turn her in a box stall now, and oil every day. Keep her loose in a box stall when in the stable, and the bone will not be nearly so liable to become disarticulated. If necessary, repeat the blistering. V.

APHTHA.

Several cattle have little sores on their tongues and do not eat well. A. D.

Ans.—This is aphtha. It often appears as an epizootic, and is infectious. The diseased should be isolated, or better remove the healthy from quarters in which the diseased are kept. Make a solution of alum, an ounce to a quart of water, and inject two or three ounces into the mouth of a diseased animal twice daily. This solution is supposed to be used as a gargle, and, if given out of a bottle, the patient is liable to swallow it, hence we recommend the use of a syringe. If any of the sores become an ulcer that will not heal, dress once daily with equal parts butter of antimony and tincture of myrrh, applied with a feather. V.

Miscellaneous.

TERMS OF AUCTION SALE.

A has an auction sale of cows, advertising them supposed to be in calf. B buys two, and after two months finds that one of them is farrow. Is A under obligation, either morally or legally, to take the farrow cow back, or make compensation? SUBSCRIBER.

Ans.—No.

QUANTITY OF LEAD ARSENATE

I have always used the Bordeaux mixture with Paris green, just as the blossoms are falling, for codling moth and scab, but this year intend using arsenate lead. I see in your issue of April 21st, page 679, you recommend 2 lbs. arsenate lead to 40 gallons of lime-sulphur diluted for application. Should I use 2 lbs. arsenate of lead to 40 gallons Bordeaux mixture? The firm from which I am getting my arsenate of lead recommends only 1 lb. M. S. B.

Ans.—Doctors differ. Some recommend as little as one pound of lead arsenate to the barrel, and others as high as three pounds. Mr. Caesar recommends two pounds, which is the quantity we used last year, and the quantity we shall use this year. There is little or no danger of injuring the foliage with lead arsenate, and for the slight difference in cost between one pound and two pounds of material per barrel, we would strongly advise against taking chances of imperfect results. Use two pounds to the barrel.

Dr. Page's English Spavin Cure

For the cure of Spavins, Ringbone, Curbs, Splints, Windgalls, Capped Hock, Strains or Bruises, Thick Neck from Distemper, Ringworm on Cattle, and to remove all unnatural enlargements.

This preparation (unlike others) acts by absorbing rather than blistering. This is the only preparation in the world guaranteed to kill a Ringbone or any Spavin or money refunded, and will not kill the hair. Manufactured by Dr. Frederick A. Page & Son, 7 and 9 Yorkshire Road, London, E. C. Mailed to any address upon receipt of price, \$1.00. Canadian agents:

J. A. JOHNSTON & CO., Druggists,
171 King St. E. TORONTO, ONT.

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Be sure and work the horse

No salve in the world like Bickmore's Gall Cure for common horse ailments. Don't try unknown remedies. Bickmore's Gall Cure is standard everywhere. Cures galls, sores, cuts, wounds, grease heel, etc., without losing a single day's work. Sold everywhere by local dealers who are directed to refund your money if it fails. Send direct for trial package, enclosing 2c. postage.

Wingate Chemical Company, Ltd.,
888 Notre Dame St. W., Montreal, Can.

KENDALL'S SPAVIN CURE

Sure Cure for Spavin

Seattle, Wash. Nov. 1st. 1909

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Yours truly, A. T. Lynch.

Equally good for Curb, Splint, Sprain, Swollen Joints and all Lameness.

Hundreds of thousands of horse owners have used it in the past 40 years. Today, it is the world's standard remedy. Good for man and beast.

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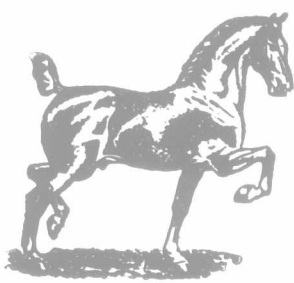
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Enosburg Falls, Vt.

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Twelve ponies, ranging in height from 10 hands to 13 hands, and of bay, brown, sorrel, black and piebald colors, and from 2 to 5 years of age. For prices and particulars write:

E. Dymont, Copetown, Wentworth Co., Ont.

Elm Park Clydes, Aberdeen-Angus and Suffolks. We have at present six Clyde mares recorded in both Canadian and American Studbooks. Three of them sired by Lord Charming [2264], and two of them in foal to Monticello Marquis [6735]. Our cattle number fifty-five head of both sexes. Our Suffolk sheep are doing well, and flock numbers sixty-seven. James Bowman, Elm Park, Guelph, Ont.



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The Greatest Wholesale and Retail Horse Commission Market.

Auction sales of Horses, Carriages, Harness, etc., every Monday and Wednesday. Horses and harness on hand for private sale every day.

The largest, best equipped and most sanitary stables in Canada. Half-mile of railway loading chutes at stable door. Quarter-mile open track for showing horses. Northwest trade a specialty. HERBERT SMITH, Manager. (Late Grand's Repository.)

Imported Clyde and Hackney Stallions

One imported Clyde stallion, a ton in weight; smooth and full of quality all over. A sire of prize stock. Also two imported Hackney stallions—show horses, one of them second at Toronto.

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We have still on hand a few choice Clydesdale stallions—all young—that for size, style and quality will stand inspection. We have also a few Clyde fillies—imported and Canadian-bred, and two French Coach stallions. Correspondence and inspection invited. Our prices are easy and terms to suit. Phone connection.

R. NESS & SON, HOWICK, QUEBEC.

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The services of any one of the following high-class stallions can be secured for approved mares by applying to the manager: Mograzia, Champion Standard bred stallion; Blingen Pilot, by Bingen, 206'4; Jim Tod, by Tod, 214'4, also sire of Kentucky Tod; Crayke Mikado, Hackney stallion, Champion at Chicago International, and the Canadian National, Toronto; Baron Howes, Champion Clydesdale stallion, considered by expert judges to be the best Clydesdale stallion in America. For all particulars, apply to:

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We have for sale a few choice Clydesdale mares, imported and Canadian-bred; also some Canadian-bred Clydesdale stallions. Hackney stallions and mares for sale always. Long-distance phone. Hodgkinson & Tisdale, Beaverton, Ont. G. T. R. and C. N. R.

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I have still on hand six Clydesdale fillies. They are big, smooth fillies, exceptionally well bred, and their underpinning is the kind Canadians like. I have only one stallion left, a right good one. My prices are as low as any man's in the business. Phone connection. GEO. G. STEWART, HOWICK, QUEBEC.

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My first importation for 1910 has just arrived. Stallions up to a ton in weight, from 1 to 5 years of age. Draft fillies 2 and 3 years of age. WM. COLQUHOUN, MITCHELL, ONT. Phone connection.

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Black Ivory, Commodore, Royal Gretna, Pride of Newmills, Dunure Acknowledgment, Dunure Souter, Captain Vasey, Look Again, Baron Acme, and some younger ones, all sold, but a few good ones left yet, and at moderate prices. SMITH & RICHARDSON, COLUMBUS, ONT. Myrtle, C. P. R.; Brooklyn, G. T. R. Phone.

IMPORTED CLYDESDALES AND HACKNEYS

In my stables at Ingersoll, Ont., I have always on hand Clydesdale stallions and fillies, and Hackney stallions, personally selected in Scotland for their high-class type, quality and breeding. Let me know your wants.

W. E. BUTLER, INGERSOLL, ONT.

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My 1910 importation of Clydesdale stallions and fillies, and Hackney stallions and fillies, are now in my barns. One and two-year-old Clyde fillies of a character and quality never before excelled. My Hackney stud was never so strong in high-class animals. All are for sale and prices right. ROBT. BEITH, BOWMANVILLE, ONT.

Please Mention this Paper.