

Make Your Lamé Horse Sound, Like This

You Can Do It While He Works.

We want to show you that there isn't any affection that causes lameness in horses that can't be cured, no matter of how long standing. We want to send you our instructive book, "Horse Sense" No. 3.



It describes all. And with the book we want to send you an expert's diagnosis of your horse's lameness. All this is absolutely free. Simply mark the spot where swelling or lameness occurs on picture of horse, clip out and send to us telling how it affects the gait, how long animal has been lame and its age.

We absolutely guarantee Mack's \$1,000 Spavin Remedy to cure Spavin, Bone or Bog Spavin, Curb, Splint, Ringbone, Thoroughpin, Sprung Knee, Shoe Boli, Wind Puff, Weak, Sprained and Ruptured Tendons, Sweeney, Shoulder or Hip Lameness and every form of lameness affecting the horse. We have deposited One Thousand Dollars in the bank to back up our guarantee. Cures while he works. No scars, no blemish, no loss of hair.

Your druggist will furnish you with Mack's \$1,000 Spavin Remedy. If he hasn't it in stock, write us.

Price \$2.50 per bottle, and worth it. Address McKallor Drug Co., Binghamton, N. Y.

Lyman Bros. Co., Ltd., Toronto, Ont.
Distributors to Drug Trade

Don't Sell the Young Calf

BLATCHFORD'S CALF MEAL

Will Raise It Without Milk

There's big money and little trouble for you in raising your calf the Blatchford way.

You save all the milk of the cow for market. As soon as the mother cow's milk is ready to sell, the calf is ready for BLATCHFORD'S CALF MEAL.

For over a century the Recognized Milk Food for Calves, at One-Fourth the Cost of Milk.

Composed of eleven different ingredients carefully apportioned and thoroughly cooked, producing a scientifically balanced ration for the young calf.

Successfully used on thousands of American farms for over 30 years.

The Only Milk Equal Made in an Exclusive Calf Meal Factory. Unlike any of the So-Called Calf Meals Made of Raw Cereal By-Products.

Write for Free Illustrated Book on "How to Raise Calves Cheaply and Successfully Without Milk."

BLATCHFORD'S CALF MEAL FACTORY
Steele Briggs & Co., Waukegan, Ill.

Shorthorns and Lincoln Sheep—Three bulls, 11 months, a number of younger cows with their calves, cows in calf and yearling heifers for sale. Good individuals. Good pedigree. Inspection solicited. Nine Lincoln ewes, 13 lambs, one imported ram. The following in show condition: Two-year-old and yearling ram, also four yearling ewes. J. T. GIBSON, Denfield, Ont.

Spring Valley Shorthorns

Herd headed by the two great breeding bulls, Newton Ringleader (Imp.) 73783, and Nonpareil Ramden 83422. Can supply a few of either sex. KYLE BROS., Drumbo, Ont.
Phone and Telegraph via Avy.

Shorthorns For Sale

3 bulls from 9 to 12 months, 2 young cows soon to freshen 3 two-year-old heifers choicely bred and from heavy milking strain. Prices easy. Stewart M. Graham, Lindsay, Ont.

Oakland 53 Shorthorns

Parties wishing to purchase good dual purpose Shorthorns should inspect our herd of breeders, feeders and milkers. One right good bull for sale, a sure calf-getter; good cattle and no big prices. JNO. ELDER & SONS, HENSALL, ONTARIO

Shorthorns

Young bulls and heifers of the best type and quality; reds and roans; growthy; good stock from good milking dams. THOMAS GRAHAM
R. R. No. 3, Port Perry, Ont.

Shorthorns and Swine

Has some choice young bulls for sale; also cows and heifers of show material, some with calves at foot. Also choice Yorkshire sows. ANDREW GROFF, R. R. No. 1, Elora, Ont.

Questions and Answers. Miscellaneous.

Napoleon's Statement.

Which statement, credited to Napoleon after his downfall, is right?

1. If he had English Generals to lead his French troops he could whip the world; or,

2. If he had French Generals to lead English troops he could whip the world. J. M.

Ans.—We believe the latter is correct.

Musty Hay.

My new hay is unaccountably musty, and has given one of our horses a touch of heaves. Can you advise me anything to do to obviate this? Would sprinkling salt over it do any good? A. E. H.

Ans.—As the hay is already dusty, about all you can do is dampen all of it with lime water to prevent injury to horses eating it. The salt, to be of value, should have been put in with the hay.

Water Supply.

As I have seen many questions relating to water-tanks and windmills in "The Farmer's Advocate," of which I am a constant reader, I would like to ask a few questions. I am bringing the water to my barns with a windmill. To start, it has to climb a hill, I should say, 20 feet high; then down-hill to stable. Would you advise putting mill over spring, or putting mill about half-way from spring to tank? I am putting a tank in the ground on hill, about 225 feet from spring, then use taps in stable. What kind of a tank would you advise using? Also what size pipes to use? What size tank would it take to hold water enough for three days' supply for 35 head? W. A. F.

Ans.—A good tank could be built of cement, with the walls five inches thick at the bottom and four inches thick at the top. Wash the inside with cement plaster. A round tank six feet in diameter and six feet high, should hold enough for the stock, but it might be advisable to make it a little larger to be sure of never running short of water. We have inch-and-a-quarter pipe at Weldwood, and it works satisfactorily. The windmill should work all right placed at the spring or on the raise. Some prefer placing it at the spring.

Pumping Water.

Am desirous of putting water into my stables, obtaining the supply from a spring one hundred yards distant from and about twenty feet below the level of the stables, in ravine or gully, the bottom of which is marshy land. I have a one-horse power gasoline engine in the stable, and would like to draw the water up with it if such is practical, as it would save expense in buying a windmill. Could I do so successfully, or would it be more advisable to put a windmill on the edge of the ravine, thus drawing the water part way and forcing it the balance of the way? What height can water be successfully raised by means of a suction-pump such as I would have to use? Do different distances horizontally make any difference to the power required? G. O.

Ans.—The same principles apply in this case as in pumping water from a well straight below the pump, only having such a long pipe to the spring you must be very sure that the joints are screwed together tightly enough to make the pipe air-tight. Theoretically, suction will lift water 32 feet, but since it is not possible to make a pump which will produce a perfect vacuum, it is found by practical experience that the sucker of the pump ought to be not more than 25 feet vertically from the level of the water.

As your stables are within 20 feet of the water level, the plan you suggest should work all right. The horizontal distance of the pump from the spring makes no difference in the working of the pump, provided the pipes are air-tight, except that it is slower to start because of the amount of air to be pumped out of the pipe before the water can come. It will require a shade more power to pump through 100 yards of pipe than to pump from a well straight below the pump. However, your one-horse-power engine will be plenty strong enough to do the work. W. H. D.

O. K. CANADIAN COW STANCHIONS

Improved manufacturing facilities and a fortunate purchase of a quantity of steel at a very low figure enable us to offer these Stanchions at \$1.00, instead of \$1.50, as formerly, until this supply of steel is exhausted.

The Stanchions are made in *exactly* the same way and of *exactly* the same material as before. They have *not* been cheapened in quality in order to lower the price.

These Stanchions are made of high quality U-Bar steel, they have the high hinge and clevis that prevent the bar's falling to the ground and make a stronger Stanchion. They have the simple, secure, O. K. Canadian lock that no cow can open.

The price of \$1.00 can only be maintained while this supply of steel lasts. Your order should reach us soon. We will quote prices on complete metal stalls if you will write us how many cows you keep.

CANADIAN POTATO MACHINERY CO., LIMITED

DEPT. C GALT, ONT.

We have a full line of BULLS AND FEMALES

on hand. We have nothing but the best Scotch families to chose from. Our cows are good milkers.

A. F. & G. Auld, Eden Mills, P.O.

GUELPH 5 MILES
ROCKWOOD, 3 MILES

100 Escana Farm Shorthorns 100

For sale, 25 Scotch bull calves from 6 to 12 months; 25 Scotch heifers and young cows bred to Right Sort, imp., and Raphael, imp., both prizewinners at Toronto.

MITCHELL BROS., Props., Burlington P.O., Ont. Jos. McCrudden, Mgr.
Farm ¼ mile from Burlington Junc.

SHORTHORNS

I have ten young Shorthorn bulls, some fit for service now. Part of them are bred and made so that they are fit to head the best herds in any country: some of them are bred from the best-milking Shorthorns, and the prices of all are moderate. I have SHROPSHIRE and COTSWOLD rams and ewes of all valuable ages. Write for what you want. and price.

Robert Miller, Stouffville, Ontario

Willow Bank Stock Farm Shorthorns and Leicester Sheep. Herd established 1855; flock 1848. The imported Cruickshank Butterfly Roan Chief=60865= heads the herd. Young stock of both sexes to offer. Also an extra good lot of Leicester sheep of either sex; some from imported sires and dams.

James Douglas, Caledonia, Ontario

Maple Grange Shorthorns

Pure Scotch and Scotch topped. Breeding unsurpassed. A nice selection in young bulls, and a limited number of thick, mossy heifers.

R. J. DOYLE, Owen Sound, Ont.

SHORTHORNS

Scotch Bates and Booth, yes, we have them pure Scotch, pure Booth and Scotch-topped Bates. Young bulls of either strain. Heifers from calves up. One particularly good two-year-old Booth bull, ideal dairy type.

Geo. E. Morden & Son, Oakville, Ontario

IRVINE DALE SHORTHORNS

Herd is headed by Gainford Select (a son of the great Gainford Marquis). A number young bulls of choice breeding and out of good milking strains. Also a few heifers.

J. WATT & SON, SALEM, ONTARIO ELORA STATION

BELMONT FARM SHORTHORNS

We are offering 20 heifers from 1 to 3 years, daughters of the 1913 Toronto Grand Champion, Missie Marquis 77713. Scotch and Scotch Topped, several of them show heifers. FRANK W. SMITH & SON, R. R. No. 2, Scotland, Ont.

Scotland Station, T. H. & B., L. D. Phone.

Springhurst Shorthorns

Shorthorn cattle have come to their own; the demand and prices are rapidly increasing, now is the time to strengthen your herd. I have over a dozen very choice. Bred in my great prize-winning strains. Only one bull left—a Red, 18 months old.

Harry Smith, EXETER STN., HAY P. O. ONT.

SHORTHORNS and CLYDESDALES

We have a nice bunch of bull calves that will be year old in Sept. and are offering females of all ages; have a choice lot of heifers bred to Clansman=87809=.

One stallion 3-years-old, a big good quality horse and some choice fillies all from imported stock.

A. B. & T. W. Douglas, Long-distance Phone Strathroy, Ont.

10 Shorthorn Bulls, 9 Imported Clydesdale Mares

Our bulls are all good colours and well bred. We also have Shorthorn females of all ages. In addition to our imported mares, we have 7 foals and yearlings. Write for prices on what you require.

Bell Phone W. G. PETTIT & SONS, Freeman, Ontario

Blaigowrie Shorthorn, Shropshire and Cotswold Sheep

This stock is all ready for service. Cows with calves by side. Cows and heifers ready to calve. In sheep there are shearing and ram lambs ready to head good flocks, also a number of good ewes.

JNO. MILLER, Jr., Ashburn, Ontario

Scotch—SHORTHORNS—English

If you want a thick, even fleshed heifer for either show or breeding purposes, or young bred to produce milk, remember I can surely supply your wants. Come and see.

Myrtle, C. P. R.; Brooklin, G. T. R. A. J. HOWDEN, Columbus P. O.

SALEM SHORTHORNS

Herd headed by the undefeated champions, Gainford Perfection and Lavendar Scot. Will sell fifteen heifers, and fifteen young bulls, at prices you can afford to pay.

J. A. WATT, ELORA, ONT.