

The Best Built Roller

Is the "Bissell," with DRUMS of heavy steel plate, hard in temper, riveted up close, having pressed steel heads.

With AXLES of 2 inch solid steel revolving on cold rolled Roller Bearings.

With the MALLEABLE CAGE in one piece, holding the Roller Bearings in line on the axle.

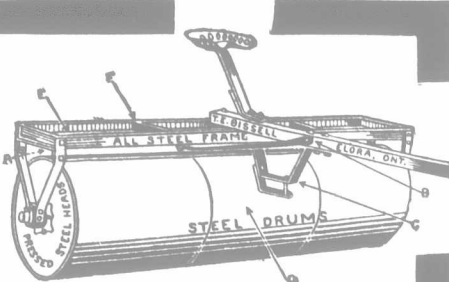
With DRAW BRACKET under the Pole, making the draught down low.

With the FRAME all of steel and the improved steel plate bottom.

You may be told that other Rollers are like the Bissell—but there is only one original Bissell

Roller and to save our customers disappointment, we put our name on every Roller we build. Look for the name "Bissell" and ask Dept W for catalogue describing the "Best Built Roller."

Several styles and a variety of widths to choose from, 6 ft. up to 12 ft. Grass Seeder Attachment also furnished if required.



T. E. BISSELL CO., LTD., ELORA, ONT.

BOYS FOR FARM HELP The managers of Dr. Barnardo's Homes invite applications from farmers, or others, for the boys who are arriving periodically from England to be placed in this country. The young immigrants are mostly between 11 and 13 years of age; all will have passed through a period of training in Dr. Barnardo's English Institutions, and will have been carefully selected with a view to their moral and physical suitability for Canadian life. Full particulars as to the terms and conditions upon which the boys are placed may be obtained upon application to Mr. Alfred B. Owen, Agent Dr. Barnardo's Homes, 50-52 Peter St., Toronto.

Steel Stable Troughs



While you're fixing up your stables this summer be sure to install our steel, everlasting, stable troughs. Every Farmer and Dairy man knows the great advantages of properly watering their stock—especially cows—in the stable during cold weather. Our steel stable troughs are EASY TO ERECT.

MADE IN SECTIONS. They can be extended to fit any size stable—simple in construction. Nothing to get out of order, always ready for use. We guarantee the quality of the material and take all responsibility—money back if not as represented. Used in the new stables at the Guelph Experimental Farm, etc. Write for catalogue 22. Troughs and Tanks for all purposes.

STEEL TROUGH CO., Tweed, Ont.

Dorset Horn Ram Lambs



Four extra good ones for sale. Quality and price right. Excellent for crossing. Also Angus Stock Bull.

FORSTER FARM
Oakville, Ont.

Poplar Lodge Southdowns and Berkshires—I can supply Southdown sheep, rams or ewes, ram or ewe lambs, Berkshires, from youngsters up to breeding age, of both sexes; the highest types of the breeds in proper fit. **SIMEON LEMON, Kettleby P.O. Schomberg or Aurora Stns.** Phone.

Spruce Lodge Leicesters Just now I am making a specialty of flock-heads and show stock, shearlings and ram lambs, shearlings, ewes and ewe lambs, the best type of the breed. **W. A. Douglas, Tuscarora, Ont.** Phone.

LARGE WHITE YORKSHIRES



Have a choice lot of sows in pig. Boars ready for service, and young pigs of both sexes supplied not akin, at reasonable prices. All breeding stock imported, or from imported stock, from the best British herds. Write or call on:

H. J. Davis, Woodstock, Ont.
C. P. R. and G. T. R. Long-distance phone.

O.I.C. We have those fine Chester White boars for sale, 1-5 mos. old, 1-6 mos. old, 1-2 years old, and four sows over one year old; none are better, few as good; all are registered.

GLEN ATHOL FRUIT RANCH
ST. CATHARINES, ONT.

Newcastle Tamworths and Cotswolds For sale: Choice young sows, bred and ready to breed; boars ready for service; beauties, 2 to 4 months old, by imp. boar, dam by Colwill's Choice, Canada's champion boar 1901, 2, 3 and 5. Several choice ram lambs and ewes, all ages, and one 3-shear ram. Prices right. Bell phone.

A. A. COLWILL, NEWCASTLE, ONTARIO.

Shropshire and Cotswold Ewes Cattle and Sheep Labels

At bargain prices, shearling ewes and a few aged imported ewes, bred to a first-class ram. In Cotswolds, shearling and two shear ewes, bred to the best rams of the breed; also ewe lambs, both breeds.

JOHN MILLER, Brougham, Ont.
Claremont Sta., C. P. R.

Metal ear labels with owner's name, address and any numbers required. They are inexpensive, simple and practical. The greatest thing for stock. Do not neglect to send for free circular and sample. Send your name and address to-day.

F. G. JAMES, Bowmanville, Ont.

Maple Villa Oxford Downs and Yorkshires

Are ideal in quality and type. Present offering is a grand lot of ram lambs for flock headers, also a number of shearling ewes and ewe lambs, sired by imp. Hamptonian 22nd, who is also for sale. Yorkshires of both sexes and all ages. Right good ones. Satisfaction assured.

J. A. CERSWELL, Bond Head P. O., Ont.
Bradford or Beeton Station.

BLAIRGOWRIE FOR CANADA'S BEST

In Clydesdales, Shorthorns, Cotswold and Shropshire Sheep and Welsh Ponies. I am offering a particularly choice lot of flock headers, shearling and lambs in Cotswolds and Shropshires; also ewes and ewe lambs. High-class stock a specialty. Write me your wants. Phone.

JOHN MILLER, JR., Ashburn P. O., Myrtle Station

Shropshire Sheep, Shire Horses and Poultry

very many winners in Shropshires, and never had a better lot of both sexes for sale. Order early. Also a big quality shire filly and White Wyandotte poultry. **W. D. MONKMAN, Bond Head, Ont.** Phone connection.

When writing please mention this paper

Southdown Ewes

A few good shearlings, and two-shear ewes in lamb to my Toronto champion ram.

Angus Cattle

Buy an Angus bull to produce steers that feed easily and top the market.

Colliers

that win at the shows and make excellent workers.

ROBT. McEWEN, Byron, Ont.

Oxford Down Sheep, Shorthorn Cattle, Yorkshire Hogs

Present offering: Lambs of either sex. For prices, etc., write to **John Cousins & Sons, Harriston, Ont.**

Suffolk Down Sheep

Shearling rams and ewes; also lambs.

Aberdeen-Angus Cattle

Extra good young bulls, the best in Canada.

James Bowman, Elm Park, GUELPH, ONTARIO

Fairview Shropshires

offered to close out the season's trade. We offer at a bargain a few shearling and other ewes, bred to our imported at Guelph Winter Fair.

J. & D. J. CAMPBELL, Fairview Farm, Woodville, Ont.

For Sale—Ohio Improved Chester Hogs

Sired by first-prize hog at Toronto and London. Also reg'd Jersey Bui s, from 8 to 10 months, from high-testing stock. Write:

CHAS. E. ROGENS, Ingersoll, Ont.

SUNNYSIDE CHESTER WHITE HOGS

I am now offering some very choice young things of both sexes, of breeding age. A few Shropshire sheep of both sexes. Also Mar-moth Bronze turkeys.

W. E. WRIGHT, Glenworth P. O., Ont.

Pine Grove Yorkshires

For sale: A choice lot of young boars fit for service; also sows already bred. Are booking Descendants of imported stock.

Joseph Featherston & Son, Streetsville, Ont.

Elmwood

Ohio Improved, Chester White pigs, largest strain, oldest established registered herd in Canada. Choice lot of young sows, bred; young pigs, 6 weeks to 6 months; pairs not akin. Express prepaid. Safe delivery guaranteed.

E. D. GEORGE & SONS, Putnam, Ontario.

Monkland Yorkshires

I am making a special offering of 50 young bred sows. They will average 200 pounds in weight, and are from 6 to 7 months of age. An exceptionally choice lot, full of type and quality; also a limited number of young boars.

MATTHEW WILSON, FERGUS, ONTARIO

Duroc - Jersey Swine

Largest herd in Canada. 100 pigs ready to ship. Pairs and trios not akin; also a few sows ready to breed. Bell phone at the house.

MAC CAMPBELL & SONS, NORTHWOOD, ONT.

Improved Large Yorkshires FOR SALE

A lot of or fine young boars and sows of different ages. Full strength. Correspondence solicited.

SENATOR F. L. BEIQUE, Lachine Locks, Que.

PINE GROVE BERKSHIRES

Boars fit for service; sows ready to breed; younger ones coming on. Show stock a specialty. Price right for quick sale.

W. W. Brownridge, Ashgrove, Ont.

Morrison Tamworths

Bred from the best blood in England; both sexes for sale, from 1 to 10 months old; young sows, dandies, in farrow to first-class boars. **Chas. Currie, Morrison, Ont.**

Spring Bank Yorkshires

For two weeks, at reduced rates, a few choice young sows, registered, four months old. Long-distance phone. **WM. BARNEI & SONS, Living Springs, P. O., Ontario.** Fergus Station, C. P. R. and G. T. R.

QUESTIONS AND ANSWERS. Miscellaneous.

WATER NUISANCE.

A stubborn neighbor lives next to me and there is a watercourse through my place from railroad track, which continues through his place. But he is not satisfied to have his ditch cleaned out even if someone would do it for him free. Could you advise me what to do, as I don't want the water backed on me, and there is a foot lies in front of my house for about eight months in the year?

Ontario. A SUBSCRIBER.

Ans.—There is appropriate legal remedy to meet the case; but we would not recommend your attempting to deal with your neighbor direct in the matter. Better instruct a solicitor to attend to it for you. A mere letter from him to the party might be sufficient.

FEEDING AND SCALDING PIGS.

1. About how much food, such as corn meal, shorts, etc., should a pig be fed a day at the age of about nine months, the weight being about two hundred and seventy-five pounds?

2. What temperature should the water be for scalding pigs? Have you any information on the same? J. B. P.

Ans.—1. The question does not state whether the pig is to be kept on a maintenance ration or a fattening ration. If the former, according to Dietrich, the pig can be maintained on about 1 per cent. of its live weight of food, in the form of wheat middlings. This would mean that a 275-lb. pig could be kept without losing or gaining in flesh on 2.75 lbs. of wheat middlings a day. Of course some swill or skim milk or water would be necessary for drink. The average gain of thrifty pigs of this weight on a fattening ration is about 1.5 lbs. per day, and to produce this, according to Henry, requires that the pig be fed about 7.4 lbs. of feed per day, or 2.7 lbs. per 100 lbs. of live weight. This includes skim milk or whey, which was reckoned 6 lbs. of the former or 12 lbs. of the latter, equal to 1 lb. of concentrates.

2. The temperature recommended for scalding pigs is 185 to 195 degrees F. Water at 165 to 175 degrees F. will do, but not so well. See article on "Home Curing of Meat" on page 1935 of the November 30th, 1911, issue of "The Farmer's Advocate."

LUMBER FOR SILO—SORE SHOULDERS—KNEE-SPRUNG COLT.

1. Would soft maple lumber do for a silo?

2. How long would it be likely to last? State size of lumber.

3. Please suggest a remedy or wash for a horse that has a sore spot on his shoulder the size of a silver dollar. I have had it nearly healed, but the collar always rubs it open again. He has had it a year.

4. I have a colt coming three years old. He is getting a little inclined to go over in the knees. His knees seem to tremble at times. I have not noticed it until very lately. Is there any danger of it getting worse? Also give a remedy. A SUBSCRIBER.

Ans.—1. We would not advise the use of soft maple for silo-building.

2. It would not be very durable. A good size for staves is sixteen feet long, six inches wide, and two inches thick.

3. Sore shoulders are very hard to treat without giving the animal rest. If forced to work the horse, keep the collars thoroughly clean, remove the pressure from the sore, and see that the collar fits well. Make a lotion of 1 ounce each of acetate of lead and sulphate of zinc in a quart of water. Dress three times daily with this, and each day before putting the collar on, apply a little oxide-of-zinc ointment. If ulcers form, apply a little butter of antimony once daily with a feather for two or three days.

4. It is more than likely that the horse's knees will become sprung to a greater extent. Some horses seem to be naturally predisposed to this trouble. Drive carefully, not too fast down hill. When once the knees give way there is no more.