

Woodstock Herd of Large English Berkshires
 I have for sale pigs of all ages, both sexes, from prize-winning stock. I am booking orders for spring delivery from my Imp. and home-bred sows. Come and see or write for prices. My herd was in the front rank of prizewinners at the leading exhibitions this fall.
 C. P. R. and G. T. R. Stations.
 DOUGLAS THOMSON, Box 1, Woodstock, Ont.

Rosebank Berkshires.—Present offering: Boars fit for service. Sows ready to breed. Choice young stock ready to wean, sired by Maple Lodge Doctor and Sallie's Sambo (Imp.), a Toronto winner.
 Lafroy, G. T. R. JOHN BOYES, JR., Churchill, Ont. Long-distance Phone

HILLCREST BERKSHIRES
 Stand unrivalled for individual merit in the herd. Our business for 1906 surpasses former years. The enquiry for choice things increases from year to year. 8 me choice sows for sale, due to farrow in the spring. Also a few boars on hand. Vine Sta. G. T. R. near Barrie. John Lahmer. Vine P. O.

BERKSHIRES 50 IMPORTED AND CANADIAN-BRED 50
 Motto: "Good as Represented."
 Mail orders receive careful attention.
 H. M. VANDERLIP, GAINSVILLE, ONT.

ORCHARD HOME TAMWORTHS
 Herd headed by Newcastle Warrior. This hog won first prize and silver medal at Toronto 1905, and defeated his sire, Colwill's Choice (1943), who has won these honors three years in succession. Our brood sows are large and of the same high quality. If you want choice stock, we can satisfy you at a reasonable price. Young boars fit for service; also young pigs now on hand. All stock shipped in comfortable crates. Express prepaid and satisfaction guaranteed.
 GRANDALL BROS., Cherry Valley, Ont.

Newcastle Herd of Tamworths and Shorthorns.
 We have for quick sale a choice lot of boars and sows from 2 to 6 months old, the produce of sows sired by Colwill's Choice and Newcastle Warrior, both our own breeding, and winners of sweepstakes and silver medal at Toronto, 1901-02-03-05. Several very choice sows due to farrow in March and April. Pedigree furnished with every pig. Several choice heifer calves and heifers in calf to our present stock bull. All of high show quality. Prices right. Daily mail at our door.
 COLWILL BROS., Newcastle, Ont.

MOUNT PLEASANT TAMWORTHS and HOLSTEINS. For sale: An extra choice lot of pigs of either sexes, from one to six months old, and two sows bred to farrow in March. They are nearly all sired by Colwill's Choice No. 1943; won sweepstakes and silver medal at Toronto in 1901-2-3. Also four bulls and one heifer from one to ten months old. Phone in real estate. BERTRAM HOSKIN, The Gully P. O.

Tamworths and Dorset Horn Sheep.
 A choice lot of pigs of different ages and both sexes. Some fine shearing rams and ewe lambs.
 JAMES DICKSON, Orono, Ontario
 "Glenairo Farm."

LARGE ENGLISH YORKSHIRES
 Pigs of the most improved type of both sexes all ages, for sale at all times. We have more imported animals in our herd than all other breeders in Canada combined. We won more first prizes at the large shows this year than all other breeders combined. We won over prizes at Toronto and London, and at St. Louis we furnished all the first-prize hogs in the breeding classes except two; also supplied both champion and grand champions. Prices reasonable.
 D. O. FLATT & SON, Millgrove, Ont.

Large White Yorkshires.
 A number of excellent sows, direct from imported stock, in pig to Worsley Duke, Imp.; also imported sows of different ages. Young boars and sows can be supplied not akin. Orders taken for young pigs. Write for what you want.
 H. J. DAVIS, Woodstock, Ont.
 Importer and Breeder of Yorkshires and Shorthorns.

Meadowbrook Yorkshires
 Young stock of both sexes. A number of sows old enough to breed, all sired by Imp. Dalmeny Topman. Everything guaranteed as represented.
 J. H. SNELL, HAGERSVILLE P. O. & STATION

IMPROVED YORKSHIRES
 Choice young stock from imported prize-winning stock for sale.
 GEO. M. SMITH, HAYSVILLE, ONT.

For Sale—Ohio Improved Chester Whites, the largest strain, oldest established registered herd in Canada; young sows in farrow; choice young pigs, six weeks to six months old; pairs not akin; express charges prepaid; pedigrees and safe delivery guaranteed. Address:
 B. D. GEORGE, Putnam, Ont.



Pat. 1908-04.
 We manufacture Steel Cheese Vats, Cream Vats, Curd Sinks, Water Troughs, Hog Troughs, Steel Tanks, Tanks to Water Stock, Feed Cookers, Evaporators for Making Maple Syrup, Grain Boxes, Thrashers' Steel Tanks, Smoke Stacks, Steel Whey Tanks.
 Ask your implement agent for our free catalogue.
The Steel Trough & Machine Co., Limited,
 TWEED, ONTARIO.

Morrison Yorks. and Tams.
 on hand, for sale. Are both sexes of both breeds. Bred from prize-winners and extra choice. Prices right.
 Charles Currie, Morrison P. O., Shaw Sta., G. T. R.

OAKDALE BERKSHIRES.
 Of the largest strain imported fresh from England. The produce of these and other noted winners for sale reasonable. Let me book you.
 L. E. MORGAN, Milliken Stn. and P. O.

Fairview Berkshires
 Bred from imported and Canadian-bred sires and dams, and bred on prize-winning lines. My brood sows are large, choice animals. Young stock of both sexes. Some sows bred to Imp. boars.
 HENRY MASON, SCARBORO P. O. Street cars pass the door.

Ohio Improved Chester White:
 100 Pigs to Offer of the long, deep, heavy sort. Breeding stock selected from the most noted families, with a view to size and quality. Booking orders for choice spring pigs; also a few fall pigs for sale. Pairs furnished not akin. Express charges prepaid. Pedigrees and safe arrival guaranteed.
 H. E. GEORGE, Crampton, Ont.

SUNNYMOUNT BERKSHIRES.
 Sunnymount Berkshires are unsurpassed for ideal bacon type and superior breeding. For immediate sale: A few choice boars from 5 mos. up to 15 mos. old.
 JOHN McLEOD Milton P. O. and Sta., C. P. R. & G. T. R.

PINE GROVE BERKSHIRES!
 Bred on aristocratic lines and from high-class show stuff, sired by the Toronto winner, Willow Lodge Leader. For sale are young animals of both sexes—4 and 6 months of age; of choice bacon type and showing form. W. W. BROWN-RIDGE, Ashgrove P. O. Milton Sta.

Duroc Jerseys—Imported and home-bred sows and boars ready for service. Pigs fit to wean; also Buff Orpingtons and Buff Leghorn cockerels.
 MAC, CAMPBELL, Harwich, Ont.

QUESTIONS AND ANSWERS. Miscellaneous

SALT ON OATS AND GRASS SEEDING.

1. Does sowing salt benefit a crop of oats?
 2. Does sowing salt harm or weaken a catch of grass seeds?
 B. McL.
 Ans.—1 and 2. Salt contains none of the constituents usually considered essential to the growth of plants. Sometimes it has a beneficial effect in promoting the decomposition of potash, lime and magnesia compounds already present in the soil. It is believed to increase the solvent action of soil water upon phosphates and silicates, and is also considered to enable the soil to hold moisture better. Salt, at the rate of 200 pounds per acre, often proves profitable on mangels. On grain and other crops, it sometimes proves beneficial, tending to stiffen and brighten the straw, and sometimes ineffective or even injurious. A careful experiment on one's own particular soil is the only means of satisfying oneself as to its effects on either grain or clover. Wash salt from pork-packing establishments has a slight additional value, due to the small amounts of nitrogen and potash usually incorporated with it.

SUBSTITUTE FOR ROOTS.

1. What is the best and cheapest feed to take the place of roots (ground flaxseed at \$2.75 per cwt.; oil cake at \$32 per ton; wheat bran at \$18 per ton) for fat cattle, the other feed used being clover hay and mixed oat and barley chop?
 2. In what quantity should it be fed to cattle weighing about 1,200 lbs.?
 SUBSCRIBER.

Ans.—Properly speaking, none of these feeds will take the place of roots. In composition, they are the very antithesis of roots. Roots are bulky and succulent; the meals are concentrated and dry. Roots are poor in protein, and comparatively strong in carbohydrates; the meals named, especially bran and oil cake, are very narrow in their nutritive ratio; that is, they are relatively much richer in protein than in carbohydrates. To obtain best results, these should be used in conjunction with roots, silage, corn meal and other foods that are abundant in carbohydrates. In one respect only—and this, presumably, is the one our inquirer had in mind—do the foods named resemble roots; they all have a laxative tendency.

2. We would suggest 3 pounds bran and one-half or three-quarters of a pound of ground flaxseed a head per day, together with 6 or 7 pounds of oats and barley chop. Of course, it is understood the cattle would be started on much less of the heavy feeds, and gradually worked up at the discretion of the feeder.

FEEDING GREEN CUT BONE.

How much green bone should be given to one hundred hens daily? Could it be put in a box and left the same as grit or oyster shell?
 J. S.
 Ans.—Ordinarily, 20 hens should have one pound of green cut bone daily. If the hens are laying well, they will eat this amount. If the hens are, very fat, they may not eat so much. My experience is that a hen has to be in good condition before she begins to lay; she may possibly get too fat to lay, but I doubt whether a very lean hen lays. If it were not for the fact that green cut bone heats readily, it could be fed as the correspondent mentions. I know of no food that heats as readily as green cut bone, and the danger in using this food lies in this point. One has to be very careful to have the bone fresh, and if one gets considerable bone ahead, it is to be held at a very low temperature or fed immediately. A painful of bone standing in a room of ordinary temperature, over night, often will heat to such an extent that one can hardly put his hand in the center of the pile; this is not then good feed. For this reason I would consider the proposition impracticable. If the fowls at night have been in the habit of eating green cut bone, begin by feeding one pound to 20 hens every other day for possibly a week, then you might increase the amount per day of the succeeding week, and the third week you might increase the quantity to 1½ pounds. It would only be a day or two when they would refuse to eat 1½ pounds, and from then on you could practically keep the bone constantly in front of them. W. R. GRAHAM.

Suffered Terrible Agony FROM PAIN ACROSS HIS KIDNEYS. DOAN'S KIDNEY PILLS CURED HIM.

Read the words of praise, Mr. M. A. McNamee, Marion Bridge, N.S., has for Doan's Kidney Pills. (He writes us): "For the past three years I have suffered terrible agony from pain across my kidneys. I was so bad I could not stoop or bend. I consulted and had several doctors treat me, but could get no relief. On the advice of a friend, I procured a box of your valuable, life-giving remedy (Doan's Kidney Pills), and to my surprise and delight, I immediately got better. In my opinion Doan's Kidney Pills have no equal for any form of kidney trouble."
 Doan's Kidney Pills are 50 cents per box or three boxes for \$1.25. Can be procured at all dealers or will be mailed direct on receipt of price by The Doan Kidney Pill Co., Toronto, Ont.
 Do not accept a spurious substitute but be sure and get "Doan's."

MONKLAND YORKSHIRES
 Imported & Canadian-bred

We keep 35 brood sows, and have constantly on hand between 100 and 200 to choose from. Our supply pairs and tries not akin. Quality and type unsurpassed. Prices right.
JAS. WILSON & SONS,
 FERGUS, ONT.
 G. T. R. and C. P. R. Long-distance Phone

GLENBURN HERD OF YORKSHIRES
 Winner of gold medal three years in succession. Offers for sale: 12 young boars, 4 months old; a large number of sows, same age; also 50 smocking pigs, both sexes. Also a grand good Shorthorn bull (roan), 10 months old.
 David Barr, Jr., Box 3, Renfrew, Ont.

Glenhodson Yorkshires.
 Sows bred or ready to breed. Young pigs from three to six months old. Pairs not akin. Satisfaction guaranteed.
 GLENHODSON COMPANY, Myrtle Station, Ont.
 Long-distance phone at farm. Lorne Foster, Mgr.

Maple Grove Yorkshires
 Are among the leading Canadian herds for size, quality and true-ness to type, and are prize-winners all around. For sale are both sexes. All ages. Bred from Imp. and home-bred stock. There are none better.
 H. S. McDIARMID, Fingal P. O., Shedden Station, Breeder and Importer.

Fairview Berkshires
 Are second to none. My herd has won high honors wherever shown. Am now offering sows bred and ready to breed, and younger ones of both sexes, the get of Masterpiece and Just the Thing. An exceptionally choice lot.
 JOHN S. COWAN, Donagel P. O., Milverton Sta.

MAPLE LEAF BERKSHIRES!
 High-class Berkshires of show-ring quality, bred from Imp. stock, for sale: 3 7-months boars by Imp. Folgate Doctor; 2 sows by same Castle, and young boars. Joshua Lawrence, Oxford Centre P. O. Woodstock Station.

Willowdale Berkshires
 Young boars and sows, 3 and 6 months of age, out of Imp. sows, and sired by Imp. Folgate Doctor, Royal Masterpiece, a son of the \$5,500 boar, Masterpiece, and some of them Imp. in dam. Satisfaction guaranteed.
 J. J. WILSON, Milton P. O. and Sta.

ELMFIELD YORKSHIRES
 Have a few young sows from 1 to 7 months, bred and ready to breed; also some young pigs weaned and ready to wean, from Imp. dam and sire. C. S. Hume, Apr. 1st