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QUESTIONS AND ANSWERS. Miscellaneous.

POLAND-CHINAS WANTED.

Could you inform me of where I could get a pure-bred Poland-China hog? I want the large kind, if I could obtain T. G. F.

Ans.-We have had several enquiries of late for hogs of this breed, and it would seem to be in the interest of those who have them to let the fact be known through our advertising columns.

FEEDING BEES-LOG MEASURE.

Mr. C. H. H., Guelph, asks: 1. What should I feed a hive of becs which is a little short of stores?

2. How should I make the feed for them?

3. Would it be all right to place the feed on the tops of the frames and allow the bees to come on top of the frames for it?

4. Should logs be measured from the inside of the bark to the outside of the bark on the log, or should just the wood be measured without any bark, at the medium width across the small end of the log?

Ans.-1. Never feed bees in winter if it can possibly be avoided. Feeding should all be done before the middle of October. Unless you feel quite sure they have not enough to last until they are out of the cellar, or can fly in spring, better let them quietly alone. If they must be fed though, better make good candy and lay on top of the frames where they can get it.

2 and 3. To make good candy, take hest quality honey and warm (not boil) on stove until it is real thin. Then, stir in pulverized granulated sugar, as much as it will take. Take the dough out on a board and knead it with the hands, working in more sugar until the cake is firm. Flatten out this cake, and lay on top of the frames. The heat and moisture from the cluster of bees will soften the candy as they require to use it. Be sure the candy is not so soft in the start as to melt and run down on the bees.

4. Just the wood of a log is measured as you say.

SOFT VS. HARD WOOD ASHES.

Regarding the question of ashes as a fertilizer, I would like to ask whether soft wood ashes contain nearly as much fertilizing ingredients as ashes from hard wood. I live close to two mills, and can get lots of ashes for 5c. per bushel, but the wood that is burned at these mills is nearly all ash and soft elm. thought of trying a sprinkling of ashes on my root land, and would like to have the opinion of some one who has had experience in such matters. I will say that I have used the ashes that accumu late on the farm as a fertilizer in the garden and orchard, and think they are valuable. ROBT. NORRIS.

Ans.-During the summer of 1897 ashes from many different kinds of wood were analyzed in this laboratory. The following are some of the results then ob-

outrou .	Phosphoric		
	Potash.	acid.	Lime.
Hard maple	9.32	2.03	45.24
Beech	7.58	1.39	41.21
Rock elm	6.66	.71	49.52
Swamp elm	35.37	.45	23.64
Black ash	25.30	1.20	49.04
White ash	16.88	.93	37.14
Oak, red	5.75	.92	48.97
Oak, white	9.39	1.69	43.54

The ashes from the soft woods were much lighter and more fluffy, and, consequently, would not weigh so much per bushel as those from the hard woods.

If the ashes have been saved without too much leaching from rains, they ought to be worth more than five cents per bushel. I think the ashes will give good results on root land, but I am of the opinion that they will give even better results when applied for leguminous crops or for small fruits, or in the orchard However, if applied for roots, in addition to a good dressing of farmyard manure they ought to give good results, especial ly upon sandy soils.

R. HARCOURT Ont. Agr. College,

Shorthorns, Cotswolds, Berkshires !

FOR SALE: Bull and heifer calves, seven to fifteen months. Also yearling and two-year-old heifers and young cows.

CHAS. E. BONNYCASTLE. Campbellford, Ont., P.Q. and Station

SHORTHORNS Clydesdales and Yorkshires.

A few fillies for sale. Also 50 Large English Yorkshires, all imported or bred from imported stock. Will sell cheap, as intend to leave the farm in

spring. ALEX. ISAAC. Cobourg P. O. and Station, -Ontario

SHORTHORN BULLS

20 Cows and Heifers Good ones, Scotch-bred, at moderate prices. Catalogues on application. o H. SMITH, Exeter, Huron Co., Ont. Station adjoins farm. Long-distance telephone in residence.

MOUNTAIN VIEW SHORTHORNS

imported and home-bred, male and female, prize and sweepstakes winners, various ages. Anything for sale.

S. J. McKNIGHT, Epping P.O. Thornbury Station.

Ridgewood Stock Farm SCOTCH SHORTHORNS

Present offerings: Violet Archer, 10 month-bull by Imp. Nonpareil Archer, dam Veronica (imp.); young stock either sex.

E.C. ATTRILL, GODERICH, ONTARIO Breeder of

Shorthorns, Shire and Hackney Horses

First-Class Young Bulls

And an excellent lot of cows and heifers. Scotch cattle, imp. and home-bred. Rich man's cattle at poor man's prices. Also high-class Yorkshire and Berkshire swine.

DAVID MILNE, Ethel, Ont., Huron Co.



YOUNG BULLS and HEIFER sired by Marengo's Heydon Duke, imp., = 36063 =, for sale reasonable. Come and see them or write to

Shorthorns, 6 bulls, 6 to 18 mos., by Provose = 37865 = For prices write to BLUHARD WILKIN, pringfield Stock Farm. o Harriston, Ont

MAPLE LEAF STOCK FARM 4 Choice Young Bulls For Fale. Also some cows and heifer and prizewinning Berkshire pigs. Terms reasonable. o ISRAEL GROFF, Alma P.O. & Sta., G.T.R

SCOTCH SHORTHORNS FOR SALE wo young bulls, 12 and 16 months o'd, both oyally bred; also fifteen heifers and cows, most of Lord Gloucester, No DR. T. S. SPROULE, Cedardale Farm Markdale P. O. and Station.

SHORTHORNS AND SHROPSHIRES FOR SALE: Young bulls and heffers from best blood. Shearlings and lambs bred from imp. stock on side of sire and dam. Price easonable.

Our E. FUGH.
Claremont P. O. and O. P. R. Sta

JAMES DOUGLAS, Caledonia, Ont. SHORTHORNS and LEICESTERS. Established 1855.

Scotch and Scotch-topped sorts. (Imp.) Rosicrucian of Dalmeny =45220 = heads my herd. Young stock for sale.

ign-class Shufflorns—Two bulb ready for come and helfers of different ages, of the Lavinia and Louisa families. For prices and particulars apply to TROWN BROS., Lakeview Farm, Orono P. O. Neggaette Station. G. T. R.

wm. Grainger & Son Hawthorne Herd of Deep-milking Shorthorns.

Aberdeen Hero (imp.) at head of herd. Present afferings 6 good young bulls by Scotch sires. Come and see what we have. Londesboro Sta. & P.O. o

HIGH- Shorthorn Cattle AND OXFORD OLASS Shorthorn Cattle Down Sheep Present onerings: Young stock, either sex. For prices and particulars write to 0 JAS. TOLTON & SON. Walkerton, Ong Auction Sale of Green Grove Shorthorns

I will sell on my farm, February 14th, a choice selection of 25 bulls and heifers. Catalogues will be ready by Jan. 25th. o W G. Milson, Goring P. O. Markdale Sta.

SHORTHORNS and DORSETS

Write for what you want. Also a number of young Yorkshire sows for sale. D, Bartlett & Sons,

. Smithville, Ont. Rufus, etc.

GOSSIP.

Fed Western lambs sold in Chicago, Feb. 6th, at \$7.90 per 100 lbs.; native lambs at \$8.

Wild sheep by the thousand, and of a strange species, inhabit the little Island of Secorro, 300 miles off the coast of Lower California, so says Captain Linbridge, of the Josephine, which arrived at San Francisco recently.

These sheep are of small stature, and have no wool on their sides.

Secorro is an island of volcanic origin, and the vegetation is so thick that it is almost impenetrable. The trees are alive with mocking birds and parrots.

A writer has discovered that many of the worst foes of the horticulturist begin with "W," and he instances worms, weevils, wind and other workers of wickedness. This suggests a question as to whether there is any natural grouping of good or evil things under particular letters. Take "b" for example, and consider how many boons and blessings to man begin with it. The baker, butcher and brewer bring him bread, beef and beer.

For additional foods he has bacon, beans, bloater, broccoli, broth, bivalves, bananas, berries, biscuits, buns and butter. After a banquet of bonnesbouches he may bring out his briar and blow his baccy while he bestrides his bicycle. These are but a few of the beneficent things included under that blessed letter Now, as a contrast, take "d."

and among the first words we think of are damp, dark, dreary, dismal, dirty, depressed, despairing, dead, drunk, and so on, the very sound of which is enough to drive one into doleful dumps.

Mr. J. G. Truman, manager of Trumans' Pioneer Stud Farm, Bushnell, Illinois, writes the "Farmer's Advocate": "I have read with much interest Mr. G. H. Parsons' article, 'Some Notable English Hackneys," in your issue of 26th of January, and after a practical experience of over a quarter of a century in the breeding, feeding and marketing of harness horses, I must say the Hackney has demonstrated fully to me that he is the only horse that will produce the highstepping, riding and driving horse so much in demand in the leading markets of the world. By referring to the English Hackney studbooks, we find the Hackney is exported to all parts of the world, viz., Africa, Australia, Belgium, Canada, Denmark, France, Germany, Holland, Italy, Japan, New Zealand, Spain, Argentine Republic, India, Austria, Chili, Hungary, Russia, Nova Scotia, Montevideo, and the United States, which speaks volumes for this noble breed of horses. We also find that in the harness classes at our leading horse shows, wherever the Hackneys have competed, they have carried off the prizes. Notable among the winners of the past year is the wonderful mare, Hildred (12707), bred by Mr. Joseph Morton, of Stow, Norfolk, England, beating as she did the greatest American-bred trotting horses ever produced in the show-rings of this country. She is sired by Stow Gabriel (5416), dam Hearty (2807), by Cadet

(1251)."I enclose photo of one of our Hackney stallions, Copalder Bonny Gabriel (8105). [See cut on another page in this issue.] He is a beautiful chestnut, standing well up to 16 hands; is more than half-brother to the champion mare, Hildred, having for his sire, Stow Gabriel (5416), and his dam Copalder Rose (8778), by Copalder Cadet (2909), a noted prizewinner, and he by Cadet (1251). Copalder Bonny Gabriel was bred by the late Mr. James Neville, of Whittlesea, England, who, by the way, also bred Copalder Cadet and many of England's very best Hackneys. Copalder Bonny Gabriel, while only six years old, has to his credit two firsts and one champion prize in England. The enclosed photo was taken right after the International Show, at Chicago, in Dec. last, only a few days after he landed here, being quite thin in flesh. I may say in conclusion that we have at the present time in our stables more imported Hackney stallions than can be found in any stables either in United States or Canada, and the majority of them are sired by Danegelt, Confidence, Stow Gabriel, Ganymede, Reality,

THOROLD GEMENT AND PORTLAND GEMENT

FOR BARN WALLS AND FLOORS, HOUSES, SILOS, PIGPENS, HENEOUSES; AND SEWERS, TILE, ABUTMENTS AND PIERS, FOR BRIDGES, GRANOLITHIO SIDEWALKS; IN FAOT, FOR ALL WORK THAT CAN BE DONE WITE CEMENT,

Estate of John Battle THOROLD, ONT.

WHOLESALE IN CAR LOTS ONLY.

A. EDWARD MEYER Box 378, Guelph, Ont.

Breeder of High-class Scotch Shorthorns

Princes Royals, Brawith Buds, Villages, Nonparells, Minas, Bessies, Clarets, Urys and others. Herd bulls, imp. Chief of Stars (7215), 145417, —32076=, Lovely Prince = 50757=. Young stock for sale, Correspondence solicited. Visitors welcome, Telephone in house.

R. A. & J. A. WATT Salem P.O. Blora Station, C.P.R and G.T.R

Telephone in house. Our herd of seventy-five head of Scotch-bred

SHORTHORNS

compares favorably with the best. Inspection and correspondence invited.



SHORTHORNS FOR SALE Four young bulls, including 22-months son of Mayflower 3rd, champion female at Winnipeg and Toronto, 1904; also a few good heifers of same family. Primrose Day (imp.) at head of herd.

WH. McDERMOTT,
Living Springs, Ont.,
Fergus Station.

SHORTHORNS

Two extra choice young bulls of serviceable age, from imported sires; also LEICESTERS

Choice yearling ewes, now bred to our stock ram; also a few good ram lambs to offer. W. A. DOUGLAS,
Caledonia Station. Tuscarora P. O.

SHORTHORNS PRESENT OFFERINGS:—
Roan Robin 29675, a Watt
bull; Prince Charley 50412, a Russell bull. Also
four ob sice young bulls. For price and particulars
write W. H. WALLAON,
Woodland Farm, o Mt. Forest, Ont.

J. WATT & SON-3 imp. and home bred BULLS for sale; also a number of cows and heifers, and Berkshire Salem P. O., Elora station, G. T. R. & C. P. R.

Shorthorns for sale—Six young bulls, 20 cows and heifers, by that grand bull, sire of unbeaten Fair Queen and sister Queen Ideal, first-prize senior heifer calf at the International 1901 national, 1904. H. K. FAIRBAIRN, Thedford, Ont.

SCOTCH SHORTHORNS—Five young bulls by imported and Canadian-bred sires and dams, also a few selected heifers, yearlings and two-year-olds, compose our present offering.

RICHARD OME, SHORTHORN COWS and HEIFERS FOR SALE

I have sold all my bulls advertised, but still have some good females for sale. All ages. Two with red bull calves at foot, one a Golden Drop and one an English Lady, calf sired by Imp. Scottish Beau. Hugh Thomson, Box 556. St. Mary's, Ont.

FOREST

VIEW FARM
HEREFORDS.
same lines; choice individuals, for sale.
JOHN A. GOVENLOCK, Forest Sta. and P.O. FARM High-class SHORTHORNS

For Sale: Choice two-year-old heifers, well gone in calf; also some choice young bulls, some of them ready for service. For prices and particulars apply to

J. R. McGALLUM & HONS, Iona Sta., Opt. Forest Hill Stock Farm -A special offer for the next six weeks, to make room for some young stock; five choice young shorthorn bulls, mostly roans, from 8 to 13 months old; also a few good heifer calves. For particulars apply weeks, on the calves of the stock of th

ZENOLEUM

Famous COAL-TAR Carbollo Dip. For general use on live-stock. Send for "Piggies' Troubles" and "Zenoleum Veterinary Advisor" Troubles" and Zenoleum voterinary savanea and learn its uses and what prominent stockmen any about it. Books mailed free. All druggiese, or one gal, express paid, \$1.50; 5 gal., freight paid, \$6.55. ZERNER DISINFECTANT CO., 113 Bates St., Betreit, Mich.

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE,