

combined sale at Kansas City on the 25th April. About 200 bulls of the different breeds will be exposed, as our Scotch friends say, on that day.

Advertisements.—All intending advertisers will please take notice that cash must, in all cases, accompany orders.

Polled Angus bulls.—The Hon. John Pope, I am told, has sold all his Bull-calves, in advance, for \$250 a piece!

Some one is annoyed at my recommending Hampshire-Downs in preference to Scotch Mountain-sheep! As one breed is ready for the butcher from 9 to 15 months, and the other will hardly fatten before 3 years old, if then, the reason for my preference is not far to seek. The Hampshire-Down is used to hard keep, as any one whose has seen them *work* on the Kent and Surrey hills must know; and to speak of those districts as moist, where, on an average, not more than 25 inches of rain fall a year, shows how little people know of the climate of the S. E. of England.

A very awkward sentence in my article on sheep feeding off turnips, last month. How it could have escaped my eye in correcting the proofs I do not understand. Instead of: "The average consumption of a sheep in &c," it should read, "A sheep feeding on turnips in winter, out of doors, will eat about 20 lbs of roots a day, in which there are 18 lbs of water, 14 lbs more than the animal wants for its nutrition."

Devonshire Butter.—I find, by experiment, that the heat of the milk at the end of the process for making butter in the Devonshire fashion is about 185° F. I had thought it was nearer 200° F., but I was clearly mistaken.

A. R. J. F.

A farmer asks the "Country Gentleman" if "Ensilage is a fattening food?" Of course it is not; neither are brewers' grains, unless the brewer does not understand his business, but they will help to produce milk, and so will ensilage, and that is its proper place. Butter and meat must come from other sources. The "Dixie Farmer" has no opinion of ensilage. 'Cattle, according to this paper, do not require green food in winter. What a deal the South has to learn! And the worst of it is that the people there seem rather proud of their backwardness.

AN ACRE.

There are 160 square rods in an acre, and there are 30½ square yards in one acre. This gives 4,840 square yards in one acre.

- 5 yards wide by 968 yards long is 1 acre.
- 10 yards wide by 484 yards long is 1 acre.
- 20 yards wide by 242 yards long is 1 acre.
- 40 yards wide by 121 yards long is 1 acre.
- 80 yards wide by 60½ yards long is 1 acre.
- 70 yards wide by 69½ yards long is 1 acre.
- 60 yards wide by 80½ yards long is 1 acre.

Again, allowing nine square feet to the yard, 272½ square feet to the rod, 43,560 square feet to the acre, and we have another table:

- 110 feet by 360 feet, 1 acre.
- 120 feet by 363 feet, 1 acre.
- 220 feet by 198 feet, 1 acre.
- 240 feet by 18½ feet, 1 acre.
- 440 feet by 90 feet, 1 acre.

IMPORTANT SALE BY AUCTION.—THOROUGHbred Shorthorn, Hereford, and Ayrshire cattle at Sunnybraes stock farm, Compton, P. Q. The undersigned will sell at Sunnybraes, Compton, on Wednesday the 11th April 1883, about (30) thirty heads of thoroughbred registered cows and heifers in calf of the above breeds. Also, by private sale, a very fine lot of yearling Shorthorn, Hereford, and Ayrshire bulls.

J. GORDON GIBB.

For further particulars address the above. Sale to commence at 1 o'clock sharp.



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FOR SALE; PURE BRED SHEEP.—SHROPSHIRE Downes, Hampshire Downes, and Lincoln (long wool).

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BERKSHIRE PIGS AND LIGHT BRAHMA fowls a specialty; both from the most noted strains of the best breeders.

W. A. HALE, Sherbrooke, P. Q.

MONTREAL HORSE EXCHANGE, G. T. R. stock yards, Point St. Charles, Montreal.—Will be open for business on Thursday, 15th February, proximo.

All business connected with the purchase and sale of horses, including shipment, customs, and insurance, conducted on strictly commercial principles and at low rate of commission.

Horses and mares imported on order from Great Britain and France.

Monthly sales by auction of horses, carriages, and harness, catalogues of sales will contain a description of each horse which will be guaranteed as described, correspondence solicited.

C. M. ACKER & Co., Montreal.

References Hon. A. W. Ogilvie, Senator; Joseph Hickson, Esq., Gen. Man. G. T. R.; M. H. Gault, Esq. M. P.; Thos White, Esq., Traffic Man. G. T. R.; J. J. Curran, Esq., M. P.; James McShane, Jr., Esq., M. P. P.; D. McEachran, F. B. C. V. S.

FOR SALE

YOUNG STALLIONS AND FILLES from my Hambletonian Stallion, "Arminius." Also, Shorthorn Bull Calves, Berkshire pigs; and Leicester sheep. Apply to **J. SHUTER**, Elmwood Stock Farm, Lennoxville, P. Q.

LAWN MOWERS and SPINKLERS, GRASS Shears, Coal-Oil Stoves, Refrigerators, Clothes Wringers, Washers and Mangles, Cutlery, Plated Ware, and general stock of Hardware at low prices **J. L. A. SURVEYER**, 188, NOTRE-DAME STREET, (Facing the Court House, Montreal).

FOR SALE.—SEED OF THE NEGUNDO, OR Ash-leaved Maple. 10 cents per ounce, postage, or 75 cents a pound. Apply to **CES. SYLVESTRE**, Telegraph Operator, St. Berthelme, Q.

How We Test Seeds.

Probably from the fact that our long experience as Practical Gardeners, made us realize the necessity more strongly than most seed dealers, we very early in our career as seedmen inaugurated the practice of testing all seeds before sowing. From the small tests begun in 1872, this practice has extended and become so systematized that the past season it required the entire use of one of our largest greenhouses for our seed tests during the fall and winter, and afterwards in spring in the open ground we had set out many thousand plants, representing the stock in vegetable seeds alone of over 900 growers. All these tests are carried on under the personal supervision of PETER HENDERSON, and as the author of "Gardening for Profit" has had as long and as varied an experience as most men in operations connected with the soil it will be seen that we are placed in a position to judge, not only as to the germinating properties, but what is of far more importance, the purity of and the kinds of seeds best suited for all gardening purposes. If therefore you can buy seeds as cheaply from us, and we think if you will compare prices you will find that you can—it will certainly be to your interest to do so. Our Catalogue for 1883 of Everything for the Garden is now ready, and will be mailed free on application.

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