

### Live Stock at St. Louis.

An allotment of something over thirty acres of ground for the live stock shows at the World's Fair at St. Louis next year has been asked of the management by Chief F. D. Coburn, who has charge of that department. This site contemplates the erection of forty-seven buildings. Thirty-nine of these are planned for stock barns, with 2,400 open stalls 5 x 10 feet and 400 box stalls 10 x 10 feet. The 2,800 stalls will accommodate as a minimum that number of cattle or horses, and, later, simultaneously, a like number of both swine and sheep. Four octagonal dairy barns will provide 140 open stalls and 28 box stalls.

The larger of the main buildings is the amphitheatre and show-ring building, with an area of 250 x 450 feet. It will have a seating capacity of from 8,000 to 12,000. General headquarters will be provided in the building for all the numerous live-stock associations.

The other main building will be a commodious structure designed for demonstrations of the work of the Agricultural College Experiment Stations, meetings of live-stock organizations, sales and similar purposes.

The dates which will probably be fixed for the live stock displays extend from August 22nd to November 5th of next year. The barns will be given over to horses and mules from August 22nd to September 3rd; to cattle from September 12th to September 24th; to sheep, goats and swine from October 3rd to 15th; and to poultry, pigeons, dogs and pet stock from October 24th to November 5th.

Cows participating in the dairy test are likely to begin to occupy their barns December 1st, of this year, continuing their use until November 1st, 1904. Silos will be built adjoining the dairy barns, and part of ensilage to fill them has already been contracted for. A leading farm machinery company has agreed to put up the silos and to furnish all necessary silage machinery free of any charge.

Provision will be made for displays not hitherto given attention. As an instance, may be given the plans for awards to "the horse of commerce." Geldings for all purposes will be provided for. The cavalry, artillery and ambulance horses are to be in one or more classes, which will show the needs of the different nations as to war animals. The coach and saddle horses, the omnibus animal and expresser will be on display. The draft horse, the roadster and the general purpose horse will come in for awards. A class of especial interest will be the fire department horse, regarding which correspondence is now in progress with fire chiefs of the larger cities.

Poultry, pigeons and pet stock will all be given attention at the Louisiana Purchase Exposition fully commensurate with the magnitude of that great World's Fair. In many ways the fair at St. Louis next year will double standards set by any previous international exposition.

### Notes About the World's Fair.

Announcement is made of the appointment of E. Sundendorf, of Elgin, Ill., as superintendent of the dairy of the Department of Agriculture at the Louisiana Purchase Exposition at St. Louis. The appointment goes into effect at once. Mr. Sundendorf is secretary of the National Creamery Buttermakers' Association, and for several years he has been special agent for the Department of Agriculture of the United States Government, in charge of the extensive butter tests. Mr. Sundendorf is a high authority on all questions pertaining to the dairy, and his appointment will be received with gratification by dairymen everywhere.

F. D. Coburn, Chief of the Live Stock Department, and his force of assistants are busily engaged in perfecting plans for the live-stock show. A beautifully wooded tract of 37 acres of ground, adjoining the agriculture exhibit, has been allotted to this department, and it will be at once improved. A great horse show will be one of the features arranged, under the direction of Robert A. Aull.

### Coming Our Way.

That grain men of the United States see great possibilities in Western Canada has been strikingly demonstrated of late. Now comes a further evidence in the incorporation of J. D. McMullan, E. N. Osborne, F. J. Smith, C. T. Jaffray and H. O. Trill, grain merchants, all of Minneapolis, under the title of the Colonial Elevator Company, Winnipeg, with a capital of \$350,000. They propose to run and operate grain elevators and warehouses and carry on a milling business in this country.

### Extra Prizes at Winnipeg.

The Canadian Northern Railway Company has donated \$288.00 toward the prize list of the Winnipeg Industrial Exhibition, to be used in giving extra prizes for Herefords, Aberdeen-Angus and Galloways at the approaching show.

### More Elevators.

It is reported that 200 new elevators will be erected this year along the C. P. R. and C. N. R. in this country, provided lumber can be secured. Some of the American firms interested in this work intend building mills for the purpose of manufacturing their own lumber.

### A Canadian Promoted.

Prof. F. R. Marshall, Assistant Professor of Animal Husbandry, Iowa Agricultural College, has just accepted the position of head of the live-stock division on Brookmont Farms, the property of A. E. Cook, Odebolt, Iowa. Professor Marshall is Canadian by birth, having been born at Kingston, Ontario, where he remained until twenty years of age on his father's stock farm. He entered the Ontario Agricultural College, from which he graduated with very high honors, winning many prizes of distinction. After graduation, he returned to the home farm and pursued his chosen work successfully for about one year. He then entered the Iowa Agricultural College, pursuing special work under Profs. Curtiss and Craig. In one year's time he received his bachelor's degree, and was elected assistant to Professor Craig. Since then he has been advanced to Assistant Professor of Animal Husbandry. He has always been a popular teacher and a close investigator. Brookmont Farms have become quite noted on account of the large feeding experiments being conducted there. In the future this work will be continued, and expensive breeding operations will be added.

### Prof. Robertson's Work.

The World's Work, a remarkably fine illustrated monthly, published by Doubleday, Page & Co., of New York, devoted to descriptions of the great commercial, industrial and other activities of modern life, presents, in its May issue, a full-page portrait of Prof. Jas. W. Robertson, Commissioner of Agriculture and Dairying for Canada. It contains also an appreciative article by Mr. George Iles, under the following caption: "Teaching Farmers' Children on the Ground—The Best American and European Models United in the Comprehensive Reform of Canadian Country Schools—An Object Lesson for the World planned by a Man Who Has Brought Scientific Research Home to Farmers and Teachers." It describes the Macdonald Manual Training School system, the consolidated rural school project, the Seed Grain Associations, the extension of Canadian dairying, and other projects with which Prof. Robertson has been so prominently identified and with the progress of which our readers are familiar.

### Experimentalist Appointed at Ottawa.

Mr. Chas. E. Saunders has recently been appointed experimentalist at the Central Experimental Farm, Ottawa. His work will embrace all field experiments in cereals, grasses, forage crops, etc., and he will also have the direction and supervision of the plant-breeding, that is the forming of new varieties by the crossing of two distinct varieties. These two branches of work are among the most important touched upon by our Canadian Experimental Farms, and the wisdom of the appointment is apparent when the qualifications of Mr. Saunders and the field for further profitable work are considered. In the plant-breeding line there is an unbounded field for research, although the Canadian Experimental Farm has been quite as successful in such work as any foreign station. It is hoped now that as more attention is being given to this work, its success may be still more apparent.

### Hon. Mr. Hanbury's Death.

The Right Hon. Robert William Hanbury, President of the Board of Agriculture, died on April 28th, of pneumonia, after an illness of a few days only. He has been President since 1900, and was chiefly known to Canadians through his persistence in maintaining the embargo against Canadian store cattle. He had an income of £30,000 a year.

### Death's Doings.

Sir Oliver Mowat, the Lieutenant-Governor of Ontario, who, for such an unprecedented period, was Premier of the Province, died in Toronto on April 19th, at the age of 83 years. He was a native of Kingston, Ont., and as a public man and statesman had a long and honorable career, being generally recognized as one of the most distinguished of Canadians.

### Sow-Thistle Seed.

If the grain from a field badly infested with sow thistle is threshed, say between six and seven rods from a clean farm, out in the field, and the wind carrying the thistle blows on to the clean farm, would there be seed enough to pollute the place, and would they grow the first year, some of the land being plowed after the stuff came over, the rest in pasture? Would ragweed seed blow that far?

Ans.—There is no doubt that much of the thistle seed would lodge on the clean farm, but, fortunately, not all of such seed grows that falls on the land; much of it is carried off by rains and spring freshets. Many of the seeds are of low vitality, not having matured by the time the plant is cut; birds, also, and other animals, eat considerable of it, so that frequently little harm results from wholesale seeding of thistles. In many cases the seed sprouts just in time to be destroyed by fall or spring cultivation. Those seeds near the surface would grow the first season, but any seed that was turned deeply under would not germinate until brought near the surface

again. Ragweed might easily be carried across the fence by the wind, and would be disseminated by water and other agencies.

### The Term Thoroughbred.

Will you kindly inform me if these terms are correct to use: Thoroughbred Clyde horse; thoroughbred Polled-Angus bull? H. B.

Ans.—No. The term thoroughbred, in describing a breed, is properly applicable only to the breed of horses known as Thoroughbreds, sometimes called Blood horses. The term purebred is properly used in reference to other distinct breeds.

## Markets.

### Winnipeg Markets.

Cattle.—Butchers' cattle are about the only grade in which anything worthy of mention is being done. A few exporters are changing hands, but the prices are little better than that paid for choice butchers', the latter going at 3½c. to 4½c. Milch cows continue firm, with prices unchanged.

Horses.—It is safe to say that a better demand for good work horses has not existed in this country for some time than at present, and in consequence the prices have an upward tendency. Supplies at present are coming mostly from the east, and for a reasonably good team \$350 and upward is the price. An occasional carload of mules continues to come in, but they are generally being placed on construction work.

Hogs.—At present, the supply of hogs coming forward is light, owing to farmers being busy with seeding, but an increase is expected very soon. Choice bacon pigs are bringing 6½c. per lb., and heavies and lights 1½c. lower.

Sheep.—As usual, offerings of sheep are small and the demand is strong. Lambs of 1902, in good condition, find a ready sale at 5c. to 5½c. per lb.

### DRESSED MEATS.

Beef.—There is a good demand for dressed beef at last quotations.

Mutton.—Prices firm, but supplies are limited. The ruling price is 11c. to 12c. per lb.

Pork.—Dressed hogs are not much in evidence around the market at present. The demand is moderate at 7½c. to 8c. per lb.

### DAIRY PRODUCTS.

Butter.—City creamery butter is quoted 23c., and choice dairy from 17c. per pound upward.

Cheese.—The supply in store is now very limited. Manitoba is still quoted 13½c., and Ontario 14c. per lb.

Eggs have fallen off in price in consequence of the increased supply; 11c. to 13c. per dozen. It is not likely, however, the price will go any lower.

### GRAIN MARKET.

Wheat.—The wheat market generally shows a firmer tone than when last reported, although at times during the past fortnight it was dull: 76c. to 77c. for spot No. 1 hard, and 76c. to 76½c. for May delivery, is the range at present.

Oats.—There is a moderately good local demand for oats. Best grades in cars at Winnipeg are quoted 31c. to 32½c., and No. 2, 29c. to 30c. Seed grades have sold as high as 35c. per bushel.

Barley.—No special activity has existed in the barley market of late, and prices are about as when last reported, i. e., 30c. to 32c. for feed and 36c. to 38c. for choice shipping grades.

Flax.—Flaxseed has not yet begun to move on the market to any extent. Sellers are asking \$1.25 per bushel.

Mill Feed.—There is a lively demand for mill feed, at prices as quoted in last issue.

Hay.—The prices for hay have advanced somewhat, and the visible supply remains about the same. Fresh baled, in cars, is worth \$6.50 to \$7.00 per ton, and loose, 50c. less.

### Chicago Markets.

Chicago, May 2.—Cattle—Good to prime steers, nominal, \$5 to \$5.50; poor to medium, \$4.25 to \$5; stockers and feeders, \$3.25 to \$5.10; cows, \$1.50 to \$4.25; heifers, \$2.50 to \$5; canners, \$1.50 to \$2.80; bulls, \$2.50 to \$4.50. Hogs—Receipts, 8,000; estimated for Monday, 30,000; left over, 3,500; weak to middle lower; mixed and butchers', \$6.80 to \$8.50; good to choice heavy, \$7 to \$7.10; rough heavy, \$6.10 to \$6.20; bulk of sales, \$6.85 to \$7.05. Sheep—Receipts, 1,000; steady; lambs steady; good to choice wethers, \$4.75 to \$5.50; fair to choice mixed, \$3.75 to \$4.25; Western sheep, \$4.06 to \$5.30; native lambs, \$4.50 to \$6.90; Western lambs, \$4.50 to \$6.90.

### British Cattle Markets.

London, May 2.—Canadian cattle are quoted at 10c. to 11c. per lb. (dressed weight); American cattle, 11c. to 12c. per lb.; "tops," 12½c. per lb.; refrigerator beef, 9c. per lb.