

\$10,000 was put down as necessary to meet the needs. The increase is needed to meet the more exacting regulations of the Order-in-Council referred to in this article.

INTERNATIONAL INSTITUTE OF AGRICULTURE.

To meet the obligations of the Department towards the International Agricultural Institute, organized and carried on at Rome, Italy, \$10,000 are required. This amount is the same as voted last year. The Department contributes a substantial grant, besides publishing bulletins made up of extracts from the Bulletin of Statistics, the Bulletin of Agricultural and Social Intelligence, and the Bulletin of Economic and Social Intelligence. The Canadian correspondent, T. K. Doherty, also sends to the Institute reviews of Canadian agricultural publications.

J. B. SPENCER.

A Double Advantage.

Editor "The Farmer's Advocate":

In an article entitled "After Harvest Cultivation," in the issue of July 27th, "The Farmer's Advocate" has served its constituency most helpfully by calling attention to the necessity of stirring the soil in order to conserve soil moisture and to start the germination of noxious weed seeds. There is nothing like killing weeds by wholesale, and the destructive drouth of this season makes provision against a lack of moisture next year a matter of grave importance. In addition to the cultivation suggested in the article referred to, it is important to go one step further. When the ground has been plowed and cultivated, it is well to sow rape or hairy vetch. These seeds germinate rapidly, and before snow falls they give a fine growth. In this way a fine fodder crop is provided for hogs, sheep or young cattle. Some farmers have in this way been able to reap what is of great value to them, a second profit from their fields. This plan is particularly valuable should the field be infested with weeds. The first cultivation destroys the early summer weeds. The sheep and cattle keep the growing weeds closely cropped, and the fall plowing means the extinction of the majority of weeds that remain. In the case of the weedy field, the sheep are the most effective grazers. In addition to the good work done in the way of cleaning the field, much good accrues from saving moisture for the following crop. The manure of the grazing animals, together with the roots, will in the following spring be one of the best forms of humus for the soil, and will serve to fortify the land against the drouth that seems inevitable in July or early August. Fields treated in this way last year gave results which abundantly recommend similar husbandry for this year.

York Co., Ont.

Silo Building and Filling.

Editor "The Farmer's Advocate":

It will soon be time to fill the silo again, and a few hints as to the building and filling of it are in order. We always build the load of corn with the sheaves standing straight up on end. Loading is started at the back of the rack, where the sheaves are stood straight up against the rear ladder. We can put on all the team can draw, and it is easier to load and far easier to unload, because, when you take hold of a sheaf, you have it at once, without having to move one or perhaps two before you can get it free.

My silo is a smaller one than any you gave estimates on in your issue of July 27th, so I will give the cost of it. It is a slop wall, plastered inside and outside, and has four doors. Its diameter is 10 feet inside, and the height is 32½ feet. The cost was as follows: 30 barrels of cement, at \$1.80 per barrel, \$54; use of rings, \$21; five men, 6½ days, \$48.75; wire, \$3.50; mason to plaster, and man to tend, \$13; cement and lime to plaster, \$7; carpenter, making door and putting on roof, \$10; shingles and lumber, \$9; nails, hinges and paint, \$1; total, \$167.25. Besides this, I furnished boy and horse to haul up grout, and worked most of the time myself. Not one of us had ever seen one built before, and we had to do considerable studying, so it took much more time than it should. But it has stood the winter, and is as good as when built, and the silage kept perfectly—just as good around the outside as in the center. The wall is 12 inches thick at the bottom, and gradually tapers to 6 inches at the top. The foundation is 18 inches. The gravel and sand was got at the lake shore. It cost nothing, but more sand was required than with sharp pit gravel. I planted seven acres of corn to fill it, but it did not take the half of this. The variety was White-cap Yellow Dent, and it was drilled in 3½ feet apart. From the remainder of the field I husked 350 bushels of ears.

PETER B. FICK.

Norfolk Co., Ont.

Brandon Inter-Provincial Fair.

The men in charge of the Brandon Show have for some years striven to make their show the best of the Canadian West series, and from an agricultural and live-stock viewpoint, they have nearly reached their goal. The classes in live stock at this year's show were all well filled and keenly contested, and the show was the greatest success in its history.

HORSES.

Clydesdales.—The Clydesdale classes were even stronger than at Winnipeg, fifteen entries facing the judge in the aged stallion class alone. Prof. W. S. Carlyle, of Moscow, Idaho, acted as judge. The awards in the aged stallion class were: 1, W. C. Van Horne, on Lord Ardwell, by Baron's Pride; 2, Brandon Horse Syndicate, on Cairnhill, by Ethiopia; 3, A. B. Mitchell, on Caliph, by Baron's Pride; 4, Samuel McLean, on Pleasant Prince, by Prince Pleasing; A. B. Mitchell, on Earl Roberts, by Hiawatha; 6, John Graham, on Mascarville, by Sir Simon. Three-year-old stallions brought out four entries, which were placed as follows: 1, Major Miller, owned by Vanstone & Rogers; 2, Baron's King, owned by Hunter; 3, Aikenhead Chieftain, owned by Vanstone & Rogers; 4, Joe Chamberlain, owned by H. H. Simpson. Stallion, two years old—1, J. Burnett, on Scotty Bryce; 2, A. Graham, on Allison; 3, Vanstone & Rogers, on Radiol; 4, A. C. McPhail, on Sir Francis Drake. Stallion, one year old—1, A. Graham, on Top Notch; 2, W. J. McCallum, on Scottish Fashion; 3, A. C. McPhail, on Baron Taurenhill; 4, McKirdy Bros., on Crown King. The class for fillies of 1908 was very strong. Miss Holly won first for the Van Horne Farm. Lady Andrew, by Baron's Pride, stood next, winning the blue ribbon for A. Graham. Third place was taken by McKirdy Bros.' mare, Countess of Rashiehall. Fourth stood Lady Chattan, the Canadian-bred champion, exhibited by David McLean. Fifth place went to McKirdy Bros., on Show Queen. The class of fillies of 1909 brought out seven animals. First went to Alex. Savage, Carman, on Darling Belle; second to McKirdy Bros., on Baroness May; third to Jas. Burnett, on Ruby Barbour, and fourth to McKirdy Bros., on Royal Princess. For filly of 1910, Jas. Tucker's Silver Queen won first, David McLean's Lady Peggy second, and J. Lyttle's Mabel Darn'y third. Six entries in the foal ring claimed honors. First place was captured by Andrew Graham; second, Van Horne; and third, B. H. Nevens. The awards for brood mare with foal by side were: 1, Van Horne, on Moy Jess; 2, A. Graham, on Lovely Baroness; 3, A. C. McPhail, on Lady Kitty. For yeld mare, or mare visibly in foal, first went to Van Horne, on Sylvan Queen; second, J. Graham, on Border Rosy; third, A. B. Mitchell, on Bedford Rose; fourth, Van Horne, on Lady's Pride; fifth, S. Benson, on Rosy Gem. W. McMillan won the prize for three animals the get of one sire, on the get of Silver Clink. Lord Ardwell stood first as best Clydesdale stallion, any age, while A. Graham secured the prize for mare and two of her progeny. Sylvan Queen was first in the class for best Clydesdale mare, any age. Scotty Bryce won for J. Burnett the special stallion prize donated by the Clydesdale Horse Society of Great Britain, and Sylvan Queen won the same prize for females.

Albion, owned by A. Graham, was pronounced Canadian-bred champion stallion, and Lady Chattan, owned by D. McLean, champion female. Shires.—Competition in Shire classes was between F. Schroeder, of Midnapore, Alta.; John Graham, of Carberry, and John Stott, of Oak Lake. Acle Harold, Schroeder's Winnipeg champion, won over Stott's Handsome Prince in the aged stallion class. Schroeder also was third and fourth, with Ludham Forest Chief and Lionel V. For stallion of 1908, Schroeder won with Hempstead Champion. For filly of 1908, John Graham was first, and John Stott second. Colquhoun & Beattie won in the yeld mare class, with Lady Grey. Stott's Handsome Prince was best Shire stallion, any age, bred in Canada.

Percherons.—Following are the awards: Stallion foaled previous to 1908—1, W. E. & R. C. Upper, on Bijou; 2, Geo. Lane, on Garou; 3, Robt. Reid, on Port de Vendome; 4, Thos. Kelly, on Buisson; 5, Vanstone & Rogers, on Hiven. Stallion foaled in 1908—1, J. B. Hogate, on Ichor; 2, Lane, on Imprenable; 3, M. G. Young, on Hutton; 4, Lane, on Ilmen. Stallion foaled in 1909—1, Upper, on Romeo, by Robosse; 2, Vanstone & Rogers, on Carnot. Stallion foaled in 1910—1, Robt. Reid & Son; 2, Upper. Filly foaled in 1908—1, Lane, on Imprudence; 2, Upper, on Pearl; 3, Lane, on Alberta; 4, Upper on Belinda. Pearl was first at Winnipeg. Filly of 1909—1, Lane, on Jardonierre; 2, Upper on Verla; 3, Reid, on Jess. Filly of 1910—1 and 3, Upper; 2, Lane. Foal of 1911—1, 3 and 4, Upper; 2, Reid. Brood mare—1, 2 and 3, Upper, on Prairie Queen, Marjorie and Abella; 4,

Reid, on Lura. Yeld mare—1 and 2, Lane, on Bichette and Docile; 3, Upper, on Pauline; 4, Reid, on Soumise. Three animals, three years or under, get of one sire—1, Upper, on get of Superior; 2, Reid, on get of Port de Vendome; 3, Upper, on get of Robosse. Best three mares, any age—1, Lane; 2, Upper; 3, Reid. Best four animals, get of one sire—1 and 2, Upper. Best Percheron stallion, open—Upper, on Bijou. Best Percheron female, open—Lane, on Bichette. Best Percheron female, Canadian-bred—Reid, on Mira. Best Percheron stallion, Canadian-bred—Upper, on Romeo. Best Percheron filly, one year, Canadian-bred—Upper, on Alice. Champion stallion, any age—1, Upper, on Bijou; 2, Lane, on Garou; 3, Reid, on Port de Vendome. Best mare, any age—1 and 2, Lane; 3, Upper. Best two animals from one mare—1, Upper; 2, Reid. Stallion and four mares—1, Lane; 2, Upper.

The specials in draft classes were keenly contested. Van Horne won the challenge cup with Lord Ardwell, while Lady Grey, a Shire, won the cup for the best draft female for Colquhoun & Beattie. Van Horne also won first on heavy-draft teams. Six-horse teams were a feature, and were placed: 1, Elton Municipality; 2, Geo. Lane; 3, Oakland Municipality.

Drafters not pure-bred and light horses made a good exhibit, and keen interest was shown in them.

CATTLE.

As in all Western fairs, Shorthorns were the strongest class of cattle, three Western breeders and three from the United States competing. Captain Robson, of London, Ont., was judge. Shenstone Albino, owned by Carpenter & Ross, was made senior and grand champion, beating Uxor Prince, the Winnipeg champion. Gloucester's Fashion, owned by F. W. Harding, of Waukesha, Wis., was junior champion. Dale's Gift 2nd, Carpenter & Ross' grand two-year-old, was senior champion female, while Van Horne's Roan Queen was junior champion. Besides the three breeder's mentioned, R. Caswell won many prizes.

Herefords.—This breed was upheld by some fine animals exhibited by L. O. Clifford, of Oshawa, Ont.; J. A. Chapman, of Hayfield; and Geo. H. Gray, Austin, Man. Clifford's bull, Refiner, was made senior champion. Clifford also won junior and senior champion female prizes. The other prizes were well divided.

Aberdeen-Angus.—J. D. McGregor, Brandon, and Jas. Bowman, Guelph, Ont., were the exhibitors. The prizes were well divided, each exhibitor winning two championship prizes.

In the dairy cattle, three pure breeds and many grades were out. Ayrshires had but one exhibitor, P. D. McArthur, North Georgetown, Que. In Jerseys, B. H. Bull & Son, of Brampton, secured the championship prizes, twelve firsts, four seconds and three thirds; while Joseph Harper, of Kinley, Sask., got six seconds and three thirds. The Holstein competition was close, and no exhibitor had a walk-away. The exhibit of Colony Farm, Coquitlam, B. C., claimed the largest number of the prizes, with Homer Smith, of Bergen, Man., and A. B. Potter, Langbank, Sask., always close competitors.

The sheep exhibit contained practically the same flocks as were present at the Winnipeg show. Two flocks of Leicesters, two of Shropshires, one of Oxfords and Dorsets, with Suffolks, Southdowns and Hampshires shown by two exhibitors, constituted a very good show.

The exhibit of hogs far surpassed all former shows held in Brandon. T. A. Cox, Brantford, Ont.; Bowman & McGregor, Forrest; H. S. Emmert, East Selkirk; C. W. Weaver, Deloraine, Man.; Jos. Brethour, Burford, Ont.; Sir. Wm. Van Horne, and D. Douglas & Sons, of Mitchell, Ont., were the principal exhibitors.

Save Your Clover Seed.

The problem of growing clover is one that demands attention in many parts of Ontario. So serious has this problem become that, at the very moment when the value of clovers as a stock food and as a soil fertilizer is universally admitted, it has turned out that farmers find great difficulty in growing it. In Southern Ontario this year, there are whole townships where there is not a single field of really good clover. The loss ensuing from this failure no one can estimate. The situation is so grave that the Government would do well to have the whole matter investigated by a committee composed of practical farmers and experts. Clover-growing and rural prosperity go hand in hand. Whether this investigation takes place or not, one thing is clearly the duty of every farmer, and that is to save what clover seed he can. The worst thing he can do this year with his second crop of clover is to pasture it. Even if this crop be less than a quarter of a crop, he will be wise to save it for seed. If he has not enough to warrant the use of the clover thrasher, it will pay him to flail it out, for the price of clover next year promises to be very high—if it can be bought at all by the farmer of ordinary means.

A. M.

York Co., Ont.