

BOWL SPINDLES

This is one of the most important parts of the Separator, and is a part that has, perhaps, given more trouble than any other. Any slight accident to the spindle generally disables the entire bowl, throwing it out of balance, and making it run rough and hard.

In the SELF-BALANCING "SIMPLEX" SEPARATOR the spindle is relieved of carrying the weight of the bowl, therefore, it is relieved of all the strain which spindles in other machines are subjected to. The only function of the spindle in the "SIMPLEX" is to drive the bowl. In other machines the spindle carries the weight of the bowl, and is subject to all the strains resulting from the high speed. In the "SIMPLEX" it is merely a means for conveying the driving power from the gearing to the bowl. This driving power on account of the high gearing, is very slight indeed.

The "SIMPLEX" spindle is made of a special high carbon steel. It is specially treated in the drop forging process, and straightened by hydraulic pressure, so as to make it as free from internal strains as possible. We use the same care with the spindles that we did formerly when they carried the weight of the bowl, so that there is a very large factor of safety in the spindles of the SELF-BALANCING "SIMPLEX." In the "SIMPLEX" the spindle instead of being one of the most important and sensitive parts of the bowl, becomes of secondary importance only, and is one of the great benefits derived from the SELF-CENTERING BEARINGS.

D. Derbyshire & Company

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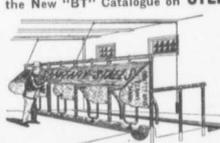


FIG. 200
The "BT" Lifting Manger.

BEATTY BROS., Fergus, Canada, LITTER CARRIERS, HAY CARRIERS, ETC.

Ontario Provincial Winter Fair

A meeting of the Executive Committee of the Ontario Provincial Winter Fair was held in Toronto on Tuesday, June 28th. It was decided to hold the next fair from December 5th to 9th, 1910, at Guelph. This means that the fair will open on Monday instead of Tuesday as formerly. Poultry exhibits must be in the building on Saturday previous to the opening, and the other exhibits must be in place by 10 o'clock on Monday morning. This will be the week following the International Show at Chicago so that animals can be shown at both exhibitions.

New classes have been added for Clydesdales, Shires, Standard Brod mares, ponies, Hackneys and a section for horses was added to the judging competition. Devons were struck off the prize list and separate classes were made for Herfords, Aberdeen Angus and Galloways.

The following judges were appointed. Clydesdales, Canadian-bred, Clydesdales and Shires, Shires and Draught horses.—Hon. Robert Beith, Bowmanville, Peter Christie, Manchester; Edward Charlton, Duncfer; Hackneys, Dr. Quinn, Brampton, Dr. Rontledge, Lambeth; Standard Breds: Dr. J. G. Rutherford, Ottawa; Beef Cattle, Robert Miller, Stouffville, James Smith, Rockland; R. J. Mackie; Oshawa; Beef Carcasses, Prof. G. E. Day, Guelph; G. F. Morris, London, Shropshires, J. C. Duncan, Lewiston, N.Y.; Southdowns, Dorsets, Suffolks and Hampshires, W. H. Beattie, Wilton Grove; Cotswolds, Lincoln, Leicester; John Gardhouse, Highfield; James Douglas, Caledonia; Oxfords, J. E. Cousins, Harrison; Short Woolled Grades, J. C. Duncan, W. H. Beattie; Long Woolled Grades, John Gardhouse, James Douglas; Sheep Carcasses, Prof. G. E. Day, Geo. F. Morris; Dairy; Prof. H. A. Dean, Guelph; and Seeds: Prof. C. H. Zavitz, Guelph.

Bees As Profit Makers

J. A. Arnold, Washington, D.C.

The average annual honey yield per colony for the entire country should be from 25 to 30 pounds of comb honey or 40 to 50 pounds of extracted honey. The money return to be obtained from this crop depends largely on the market and the methods of selling the honey. If sold direct to the consumer, extracted honey brings from 10 to 20 cents a pound, and comb honey from 15 to 25 cents a section. If sold to dealers, the price varies from six to 10 cents for extracted honey and from 10 to 15 cents for comb honey. All of these estimates depend largely on the quality and neatness of the product. From the gross return must be deducted from 50 cents to \$1 a colony for the expenses other than labor, including foundation, sections, occasional new frames and hives, and other incidentals, not, however, providing for increase.

These figures, however, are based on a system of good management. Bee keeping to be profitable requires hard work, knowledge and experience. Much study is required to insure success. It is unwise, therefore, for the average individual to undertake extensive bee keeping without considerable previous experience on a small scale, since there are so many more details which go to make up success in the work, such as the ways of bees, how to handle them, and what kind of equipment is best. Then begin on a small scale, make the bees pay for themselves and for all additional apparatus, as well as some profit, and let the business grow gradually.

Coming Events

Portage la Prairie Exhibition, July 11-14, 1910.
Winnipeg Industrial Exhibition, July 13-23, 1910.

Exhibition, Highland and Agricultural Society of Scotland, Dumfries, Scotland, July 19 to 22, 1910.
Regina, Sask., Provincial, Aug. 2-5.
Vancouver, Aug. 15-20.
Saskatoon, Aug. 9-12.
Edmonton, Aug. 23-30.
Sherbrooke, Que., Great Eastern, Aug. 27 to Sept. 1.
Sherbrooke, Que., Pomological Society (summer meeting), Aug. 30 to Sept. 1.

Toronto, Canadian National, Aug. 27 to Sept. 1.
Dominion Exhibition, St. John, N. B. Sept. 5-15, 1910.

Ottawa, Central Canada, Sept. 9-17.
London, Ont., Western Fair, Sept. 9-21.

Charlottetown, P. E. I., Provincial, Sept. 20-24.

Halifax, N. S., Provincial Sept. 23-27 to Oct. 5.

Victoria, B. C., Sept. 27 to Oct. 1.
New Westminster, B. C., Provincial, Oct. 4-8.

Toronto, Ontario Horticultural, Nov. 15-19.

London, Eng., Royal Horticultural Show (for colonial-grown fruit and vegetables), Dec. 1-3.

Maritime Winter Fair, Amherst, N. S., Dec. 5-8, 1910.
Canadian Exhibition, Smithfield Club, at Royal Agricultural Hall, London, England, Dec. 5-9, 1910.

Chicago Gets Dairy Show

The Fifth National Dairy Show will be held in the Chicago Coliseum, October 20th to 29th, 1910, instead of in Milwaukee, as previously announced. This action was taken at a meeting of the Board of Directors of the National Dairy Show Association while in Chicago, June 18th. After investigating every phase of the question and after considering how best to serve the varied interests of the show, not only from a financial standpoint, but from all others as well, the Directors voted to re-consider their previous action, and have entered into a contract with the Chicago Coliseum officials, and other business interests, to hold the 1910 Dairy Show at that city next October.

At no other time in the history of the National Dairy Show Association have conditions appeared so auspicious and the officials of the organizations so hopeful over the prospects for the next show. From now on, the work of planning details and organizing the different branches will be actively pushed.—H. E. Van Norman, Secretary and Manager, State College, Pa.

Every province in the Dominion has applied for space for a provincial exhibit at the year's Canadian National Exhibition and the result cannot fail to be the greatest display of the national resources of Canada ever placed on exhibition. It will be a great chance for Canadians as well as visitors from other countries to see just what each corner of the great Dominion depends on for future greatness. And the net result cannot fail to be a pleasant surprise to Canadians as well as outsiders.

With a horse prize list of \$13,000, every prominent breeder in Canada taking an active interest and the best horsemen of Britain coming across the ocean to do the judging, the horse show at the Canadian National Exhibition promises this year to eclipse anything in its history. No class of horse has been neglected from the pony to the champion. In addition to the regular prizes there are special prizes in a large number of classes, the show is being looked forward to by horsemen generally.

I enclose \$1 for my renewal to Farm and Dairy. I would not be without it for twice the subscription price.—T. J. Wilton, Middlesex Co., Ontario.

Issued
Each Week

Vol. XXIX.

A Man of Year
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