

THIS IS WHAT DOES IT

The illustration shown is a sectional view of the important device which controls the free and easy running of the "Simplex" Self-Balancing Bowl. It is the



SELF-CENTERING BEARING

It is situated immediately underneath the bowl. The weight is carried on this bearing instead of on the lower end of the spindle. This in itself enables the bowl to run much more steadily and evenly than were the bowl supported on the lower end of the spindle, as is the case in other separators. It represents the same difference as you find in spinning two tops, one with a long peg and one with a short peg. The short peg top spins easiest and longest.

This bearing also allows the bowl a free, unrestrained motion, letting it spin on its own axis. The bowl will not wobble when coming up to speed or when running down, or even if it should be slightly out of mechanical balance. The ball bearings run between two hardened steel rings which are interchangeable and so cannot get out of place. The whole thing is so simple that anyone can take it apart to clean it and have no trouble in putting it together again. It is impossible to put the parts in wrongly.

Have our agent explain this and other good points about the "Simplex" Self-Balancing Separator, or write direct to:—

D. Derbyshire & Company

Head Office and Works: BROCKVILLE, ONT.

Branches: PETERBOROUGH, ONT. MONTREAL and QUEBEC, P. Q.

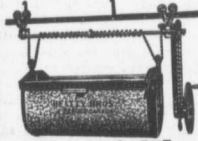
WE WANT AGENTS IN EVERY DISTRICT

A BT Litter Carrier and BT Feed Carrier

should be in your stable—

Let because they will save you more hard and disagreeable work than any other machine you can invest your money in.

But because they are the best machines made for handling Litter and Feed. Let us tell you what they will do and why they are better. We shall build Cow Stanchions, Steel Stalls, Hay Carriers, Forks and Slings.



BT stands for Best

BEATTY BROS., FERGUSON, ONT.

Value of Second Growth Timber

The question of reforestation is a very live one at present in the united counties of Northumberland and Durham. A small lot of second-growth pine in Northumberland county has been sold for \$2,000 standing. Another farmer has sold \$30 worth, and has trees standing which will bring an equal amount. This second-growth timber was produced upon land that is not especially adapted to grain-growing. A resident in the vicinity of Brighton has a fine lot of second-growth timber, upon ground which 11 years ago was sown to oats. There are trees 30 feet in height and from three to four inches in diameter. One oak has a diameter of seven inches. Another farmer has a fine wood lot of mixed trees upon ground which had a crop of wheat not long ago.

Practical results such as these are the things which appeal most strongly to farmers and land-owners, and if all the waste lands were reclaimed it would mean an immense increase in revenue to the farmers of the Province.

Distribution of Seed

By instruction of the Hon. Minister of Agriculture distribution is being made this season of samples of superior sorts of grain and potatoes to Canadian farmers for the improvement of seed. The stock for distribution has been secured mainly from the Experimental Farm at Indian Head, Sask., Brandon, Man., and Ottawa, Ont. The samples consist of oats, spring wheat, barley, peas, Indian corn (for ensilage only), and potatoes. The quantity of oats sent is 4 lbs. and of wheat or barley 5 lbs., sufficient in each case to sow one-twentieth of an acre. The samples of Indian corn, peas and potatoes weigh 3 lbs. each. A quantity of each of the following varieties has been secured for this distribution: Oats—Banner, Abundance, Danish Island, White Awake, White Giant, Thousand Dollar, Improved Gigow—All white varieties.

Wheat—Red varieties: Red Fife (beardless); Marquis, Stanley and Chelsea (early beardless); Preston, Huron and Pringle's unclean (early bearded). White varieties: White Fife (beardless); Bobs (early beardless).

Barley—Six rowed: Mensury, Odessa, and McNeill. Two-rowed: Invincible, Standwell and Canadian Thorpe.

Field Peas—Arthur and Golden Vine.

Indian Corn (for ensilage)—Early sorts: Angel of Midnight, Compton's Early and Longfield. Later varieties: Selected Lewing, Early Mastodon and White Cap Yellow Dent.

Potatoes—Early varieties: Rochester Rose, and Irish Cobbler. Medium to late varieties: Gold Coin, Carman No. 1, and Money Maker. The later varieties are, as a rule, more productive than the earlier kinds.

Only one sample can be sent to each applicant, hence if an individual receives a sample of oats he cannot also receive one of wheat, barley, peas, Indian corn or potatoes. Applications on printed cards or sheets, or lists of names from one individual, or applications for more than one sample for one household, cannot be entertained. The samples will be sent free of charge through the mail. Applications should be addressed to the Director of Experimental Farms, Ottawa, and may be sent in any time from the 1st of December to the 15th of February, after which the lists will be closed, so that the samples asked for may be sent out in good time for sowing. Applicants should mention the variety they pre-

fer, with a second sort as an alternative. Applications will be filled in the order in which they are received, so long as the supply of seed lasts. Farmers are advised to apply early to avoid possible disappointment. Those applying for Indian corn or potatoes should bear in mind that the corn is not usually distributed until April, and that potatoes cannot be mailed until danger from frost in transit is over. No postage is required on mail matter addressed to the Central Experimental Farm, Ottawa.

The Chicago International

The tenth International Live Stock Exposition was again held in Dexter Park Amphitheatre, Chicago, during the first week of December. This year aided in making the Exposition a "Greatest Ever!" One of the greatest features of the Show this year, according to eminent stockmen is the great increase in steer showing. It is conceded to be better in quality and quantity than ever shown at any previous International.

To Canadians it is interesting to know the Canadian entries this year are much larger than last year, particularly in horses and sheep. This is no doubt due to less stringent regulations in the Canadian stock across the line this year.

This year the classes of Percherons Belgians contained many more entries than last. Shires remaining about the same. The Clydesdales made a far better showing this year than ever before.

Year quarantine regulations were more severe for horses, than they are this year. As a result Graham Bros., of Claremont, Ont., maintained the former reputation by carrying off a great many of the most valuable wins. The Canadian exhibitors in hors's were: Graham Bros, Claremont, Ont. and John Graham of Carberry, Man. Mr. Graham in 3-year-old Clydesdale stallions, and fourth in the 2-year-old, (No. 1297), formerly owned by Graham Bros., but now by Robt. A. Fairbairn, Westfield, N.J., was the champion stallion, any age, of the show. This horse won first in every class he was shown. He was (Continued on page 6)

The Taxation Question

Assessment on Idle Land

Ed. Farm and Dairy.—The following is from a Portland, Oregon, paper, the Labor Press, might equally well be a note warning Ontario, for the gravest concern should be to raise the percentage of the rural and farm population.

"Public sentiment in Oregon without any change in the laws can compel assessors and boards of equalization to assess idle lands three times what they are now figured at in the assessment rolls. If he wants to reduce their price and bring many thousands of acres into use thereby. That in turn will make demands for labor and labor's products. Timber lands in some of our coast countries selling for \$6,000 a quarter section are assessed for \$5 and \$10 an acre. Boost the assessments on the idle landholder. He is of no use. If he wants the fun of holding land idle let him pay as much as others do who use it."

The proposed amendment to the Assessment Act granting municipalities the right to raise the rate on land values and lower it on improvements would be a perfect method of accomplishing the thing which has already signed it, including all the large cities save one in the province.—F.C.

ISSUE
EACH V

Vol. X

What Coop

THE other reports on sand lands of their fo said to be voice on the able for them, which less for done, are the result tem of farm is naming robbery, a is foolhard extreme the fact rol-ber's

In the gory of these lands grown year in man the owner given the grass because they can a case. If they cannot catch when Lurn their each year as the machine les farm, and ry at first unity; and done in ver cases.

But, it is possible to get legumes on lands. One week I saw stubble which been seeded with clover a sign of clo seen except the hills. reason for the evident. Sec covering of a manner could nicely. I kn crop of cow this year on different orch in the last tw to be blow s