

## Sprung Spindles

**N**EXT to bowls going out of balance, due to wear and tear, or misuse, there is no other feature that is a source of so much trouble as the bowl spindle becoming slightly sprung. While this can happen only by rough handling, or accident, it is a frequent occurrence. Even if the spindle is sprung as little as one one-thousandth of an inch, it will cause a decided vibration, or jar, in the whole machine. The only thing to do is to send such a bowl back to the factory and have the spindle straightened.

## The Self-Centering Bearings

used in the "SIMPLEX" Link-Blade Separators exclusively, overcome this trouble. The reason is, that, with the **Self Centering Bearings**, the bowls are free to run on their neutral axis, instead of being confined by bearings to try to make them run on their mechanical axis, therefore they are independent of the location of the mechanical axis, and it makes no difference, so far as the running is concerned, if the spindle is slightly sprung. Of course, this does not apply to extreme cases, but it takes care of the average case as met in practice.

## The Simplex Separator

is the only one now on the market that will always preserve its running qualities independently of the balance of the bowl, or the absolute straightness of the spindle.

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### Tobacco Experiment Station

The Minister of Agriculture at Ottawa has just decided to establish an experimental station in Essex county for carrying out experiments in tobacco culture. This experimental station will be on the farm of Mr. A. R. Ferris, at Harrow.

The site was selected after an analysis of various samples of soils from Essex county and seems perfectly adapted for carrying out experiments with different varieties of tobacco that can be grown in that part of Canada. Part of the work on this station will be devoted particularly to the study of Virginia tobacco and the fire curing process. Mr. W. A. Barnett, B.S.A., assistant of the Tobacco Division will be in charge of the station.

### Want a Stallion License Law

A deputation of horse breeders comprising Wm. Smith, Peter Christie, John Bright and John and J. M. Gardhouse, waited upon the Agricultural committee of the Legislature, on March 25th and asked that some legislation in the form of a license law be enacted in the interest of the horse breeding industry of Ontario. The deputation presented the conclusions arrived at by the Ontario Horse Breeders' Association, and which were fully discussed and adopted at the winter fairs at Guelph and Ottawa a year ago and which were based upon the report of the Horse Commission of a couple of years ago.

Mr. Smith, who was the chief spokesman, stated that there were 850,000 horses in Ontario and that the industry was an important one. Every farmer was interested in horse-feeding shown by the commissioners in their reports that something should be done to induce better breeding methods. There was a great unanimity of feeling shown by the commissioners in their reports that something should be done to induce better breeding methods. There were too many un-sound stallions and a great lack of conformation in stallions traveling in the country. In some districts there was such a varied type of mares that it would be difficult to advise as to what kind of stallions should be used. A great many good mares had been sold out of the country. The government he thought, could bring about an improvement by enacting wise legislation along the lines indicated by the report of the horse commission. Legislation compelling the use only of pure bred sires would be beneficial. However, as there were not enough of this class to go around, the use of good sound grade sires might be allowed for say three years, until the number of pure breeds were sufficient. He recognized that there was a difference of opinion in regard to licensing, but thought there should be some give and take in regard to it, in the interest of the business.

Mr. John Gardhouse stated that the average farmer has shown no system in horse breeding. Heavy mares are bred to small sires and light mares to heavy sires. A great deal of education was necessary to induce better breeding methods.

Mr. Bright read the resolution passed by the Horse Breeders' Association. He favored the use of good grade sires until there were enough pure bred sires to meet all requirements, which would be in a few years. He had found, in his work on the horse commission, several unsound stallions that had been bred to as many as 100 mares in one season.

Mr. Christie emphasized the importance of making Ontario the breeding ground for horses for all Canada. Ontario should, he claimed, be the Scotland of America. She had already obtained a reputation in all parts of America for good horses. Effort should be made to maintain that position and to improve the general run of the horses produced in the province.

J. M. Gardhouse referred to the splendid lot of horses to be found in Toronto, and which were produced in Ontario and to what the Hon. Adam Beck had done with Ontario horses at the International Show in London, Eng.

There was some difference of opinion expressed by the members of the committee as to the advisability of enacting a stallion license law. Many thought an energetic educational campaign should precede such a law. A further discussion will be made by the committee before any report is made, though it is not likely that anything will be done this season.

### Want Dog Tax Law Amended

A deputation of sheep breeders waited upon the Agricultural committee of Legislature last week and asked that the Act relating to the tax on dogs and the worrying of sheep by dogs be amended so as to make it more effective in lessening the ravages of sheep by wandering dogs. Those present were A. W. Smith, M.P., John Campbell, Lt.-Col. McEwen, Lt.-Col. McCrea, Geo. H. Telfer and R. H. Harding.

The amendments asked for are those recommended in Bulletin 161,



Mr. Hy. Glendinning, Ontario C., Ont.

Mr. Glendinning is well known as a successful dairy farmer. Farm and Dairy has been fortunate in securing Mr. Glendinning to write a series of articles on alfalfa. These articles will deal with the subject in a practical way, and will give our readers the benefit of the practical experience of one who has been singularly successful with this great crop. The first of the series will be "Alfalfa for the Dairy" and will appear in our special Dairy Number next week.

entitled "The Sheep Industry of Ontario," and which had been fully discussed and agreed upon by the Dominion Sheep Breeders' Association. According to these the annual tax on dogs should be \$1.00 for one dog, \$2 for each dog more than one and \$5 for a bitch. One of the principal changes asked for is that each municipality be compelled to place a tax on dogs and to pay not less than two-thirds of the value of sheep killed or worried by dogs. At present this is optional on the part of a township council which may on petition of 25 ratepayers enact a dog-tax-by-law.

The Agricultural Committee came to no definite decision regarding the matter. As the session is drawing near a close, it is not likely that any change in the Act will be made this year.

The new experimental farm at Rothern, Saak is has been fortunate in securing as superintendent W. A. Munro, B.A., B.S.A., who for the past two years has had charge of the Morrisburg branch of the Ontario Department of Agriculture.

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