

best results, and it is little wonder that the benefits of the practice are not certain in the mind of those making such an application. That it pays to spray has been established. The smaller orchardists as well as the man of larger apple interests will reap results from spraying commensurate with the thoroughness and skill with which the spray mixture is applied.

Agriculture in the High Schools

I. F. Metcalfe, Dist. Rep. for Simcoe Co., Ont.

The idea at the bottom of this movement is that in the past the agricultural side of education has been sadly neglected—it might be said that the whole trend of education has been away from the farm. At the present time we can see some of the bad results of this policy. Our cities and towns are growing rapidly while our farms are being depleted of their population—in other words, our non-producing classes are increasing while our producing classes are diminishing, with the inevitable result that the prices of foodstuffs are very high. This is the problem that the people living

Studies in Horsebreeding

"Studies in horse breeding" is an illustrated treatise on the science and practice of horse breeding by G. L. Carlson. It embodies many points of vital interest to the breeder. A life and a fortune have been spent in the investigations, and the collection of data from which this book is written. Its scope includes such subjects as the conception, or the origin of a life; the development of the foetus and foetal membranes of the horse; the selection of a stallion; the care of the stallion, with a view to his virility; the selection of a brood mare; the care of the brood mare, with reference to her fecundity; barrenness and sterility, statistical; parturition; artificial insemination; artificial conception, or the production of a foetus without the direct agency of a mare; the capsule method of breeding; the care of the foal; the diseases of the horse and their treatment; the history of the breeds, their utility, fecundity and breed characteristics, written from statistics; cross breeding; the physiology of the horse, a new subject; feeds and feeding, and many other subjects of interest.

The book is profusely illustrated. Every subject enumerated is handled without gloves. It is printed upon



But Aside From That THE CAPACITY

OF THE

DE LAVAL Cream Separator

is bona fide as rated, and will be found cheaper per hundred pounds actually than any of the so-called cream separators selling at many prices.

Look to the Capacity.

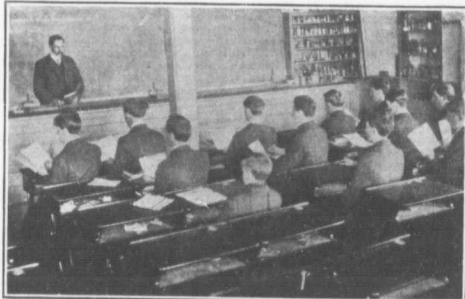
FREE CATALOGUE

THE DE LAVAL SEPARATOR CO.

173-177 William St.
MONTREAL

WINNIPEG

VANCOUVER



A Class in Agriculture Studying Drainage Problems

The illustration shows Mr. J. F. Metcalfe, the District representative of the Ontario Department of Agriculture, for Simcoe County, Ont., instructing a class in agriculture at the Collingwood High School. This movement in agricultural education has become most popular in the eleven counties now being served. We look forward to a rapid extension of the work.

in the cities and towns must face and in which they must give their assistance towards a solution.

The farmer has also a problem to face, but it is of a different nature. Hired help is extremely difficult to obtain in most parts, and high prices must be paid for it. To be sure, high prices are obtained for what is sold off the farm, but the expense of producing it is also high. To add to the difficulty, our lands have, in many cases, become impoverished by the wasteful systems of farming that have been followed. The farmer's problem is indeed a difficult one, accentuated by the fact that it seems to be almost impossible to organize any system of general farming by which a few specially trained men may manage the business. The manufacturers can do that sort of thing, but general farming requires a personal supervision, which can only be given by the man running the small farm.

If combining our small farms to make large farms were practicable, then the Agricultural College at Guelph would largely solve the problem, since the young men going there from year to year could be made managers of these large farms. However, when we have to face the problem of small farms, we must devise some method of taking education closer to the farmer's door. This, I take it, is the mission of the agricultural classes in the high schools.

the best enameled paper, with full cloth binding. Every stallion owner and every horse breeder will find this book of inestimable value. Farm and dairy will send this book to any address in Canada on receipt of \$2.00.

May Practise Conservation

Canada, being a nation of farmers, has to pay a very large seed bill each year. Last year our crops called for 33,000,000 bushels of seed grain—wheat, oats and barley, and we are constantly increasing our agricultural acreage. This being so, the economy of sowing good clean seed is at once apparent. The advantages to be derived from it are like the proceeds of a sum of money laid out at compound interest—they are cumulative in their effect and grow in ever increasing ratio.

Some years ago a competition was carried on in some 450 places in Canada to see just what the actual results of using clean pure seed would be. If we reason from the results obtained from it, we find that our grain yield last year would have been increased by 100,000,000 bushels had clean, vigorous seed been sown on every acre under cultivation. Now, 100,000,000 bushels of grain would fill 1,500 miles of railway grain cars. It

Renew your subscription now.

SUMMER PREMIUM TALK No. 3

Make your Home Attractive THIS SUMMER

Give the women and children all the comfort you can. They will be glad to assist you to do this. A Lawn Swing, in some shady place on your Lawn, is just the thing. You, Mr. Farmer, might enjoy it and spend a restful evening in it, after a hard day's work.

Get the boys and girls working together towards securing a Lawn Swing, FREE. Show your own copy of Farm and Dairy to your Neighbor. Tell them about its good points. Ask him to subscribe.



Lawn Swing for two adults or four children, strong and well made, selected from well seasoned hardwood lumber. The foot rest can be placed on level with the seat, thus forming a bed or hammock; uprights painted in a bright vermilion.

Given for a club of Nine New Yearly subscriptions to Farm and Dairy, at only \$1.00 each.

For Sample Copies of Farm and Dairy, write

Circulation Manager

FARM AND DAIRY
PETERBORO, ONT.