

# WEIGHED IN THE BALANCE

Every Separator is "Weighed in the Balance" and most of them are "found wanting."

Not so with the "Simplex" Lick Blade with the Self-Balancing Bowl.



The supply can is out of the way of the operator. The oil-drip-pan between base and body, catches all draining.

There are many pleasing features regarding the "Simplex." We have not space to mention them all, but will indicate one or two.

## Easy to Operate

Every dairyman of experience knows that the larger the hand Separator he can operate, the more profitable it is to him. What stood in the way of a wider use of the large capacity hand machine was the inability of any one to produce such machines that would be easy to operate.

A striking characteristic of the new model "Simplex" is that the 1100 pound size can be turned by hand at the required speed with ease.

Send for literature giving full information concerning the "Simplex."

## D. Derbyshire & Company

Head Office and Works: BROCKVILLE, ONT.

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

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

## Opportunity Awaits Every Farmer In Poultry

More and more our farmers are realizing their opportunity in chickens. They love their occupation, and hungrily receive everything that pertains to it.

**Your Opportunity** To reach those people at a most favorable time will be in our

**4TH ANNUAL MAGAZINE POULTRY NUMBER, FEB. 1st**

What space shall we reserve in it for you? Better attend to this now. Drop us a line to-day

Adv. Dept. FARM AND DAIRY Peterboro, Ont.

### Railway Co. to Teach Agriculture

A new departure in the way of agricultural education will probably take place in the Provinces of Ontario, Quebec and New Brunswick next spring and summer. The Canadian Pacific Railway is now negotiating with the governments of those provinces with a view to having special agricultural trains tour every part of the provinces in order that demonstrations and lectures may be given to farmers with a view to improving the productive capacity of the farms.

The system has been in operation in Western Canada for some years past and has proved so beneficial that the C. P. R. is now making the effort to extend the same benefits to the east. If the scheme is adopted special trains with lecture and demonstration cars, and with professors from the various agricultural colleges, will spend the spring and summer going over the provinces and stopping at all the principal towns for lectures and demonstrations, to attend which farmers will be granted reduced fares in all the various districts.

Dairy farming, fruit farming, stock raising and a good seed propaganda will all be treated from a scientific point of view, and in such a way as to afford the maximum of practical help and encouragement to the farmers in every locality.

### Water for Dairy Cattle

E. F. Eaton, Colchester Co., N.S.

Over 80 per cent. of milk is water. A cow in good health and milking freely will drink 150 to 300 pounds of water daily. Water, therefore, in one sense, is the most important part of the cow's ration, and we dairymen should make provision to supply our cows with good, clean water given to them in a convenient manner. I believe that one of the best investments that can be made in the farm with individual basins. This enables the cow to get her water as she intervals—not her whole supply once or twice a day.

#### THE HOLE IN THE ICE

Most of the farmers in his county turn their cows out each day, rain or from a trough in a nearby creek or in the snow. The system was out of order recently our cows were watered in the same way, through a hole in the ice.

The first cows out, if they were aggressive, would get to the hole first and fill up on the ice cold water. The others standing around shivering their turn came, but the next day they would make up for it by taking a double amount of the cold water. Their whole systems would receive a shock in the effort of nature to warm up that water.

We would have to burn a lot of fuel to warm that much water from no degrees to the normal temperature of the animal at 98 degrees. And feed is the most expensive kind of fuel. Were the cows to get their water a little at a time from individual basins they would not be such a strain on their systems.

Two brothers in the Stewiacke Valley of Nova Scotia, who run a large dairy farm, found out several winters ago just how valuable their water system is. The system was out of order one day in the winter and the cows had to be turned out to the creek. When totalling up their milk records for each day of the month, Campbell Bros. found that there was 10 per cent. less milk on that day than on any other day of the month.

#### FARM'S SATISFACTION 100

It does us good when there is a blizzard outside to see my dairy cows taking a mouthful of hay and then occasionally a lap of water from the basins while I know that all around

me are cows shivering in the blizzard waiting for their turn at the water trough.

Of course, it is possible to abuse the water system. I believe that every fine day the cows should be let out. There is a tendency to neglect this unless it is necessary to get them out for water. That is our fault, however, and not the fault of the system.

### Short Courses for Bee Keepers

The annual honey crop in Ontario is worth one and a half million dollars. Ten thousand persons from Point Pelee to the Cobalt regions, and further north, are engaged in the business of producing it, keeping 300,000 hives of bees for the purpose. Even then not one-quarter of the nectar secreted by Ontario flowers is ever utilized. And although honey prices are advancing every year, not one-tenth of the Provincial Antiarist in Ontario homes that our people are capable of eating.

In order to give the bee keepers a greater interest in this important industry, a short course on bees will be given at the Ontario Agricultural College, January 9th to 20th, 1912. This course will be conducted by Mr. Morley Pettit, Provincial Antiarist, and is free to all. There will be reduced rates on railways. Bee keepers are urged to take advantage of the course.

### Items of Interest

It is announced that a special division of the Dominion Department of Agriculture will be formed to promote the sheep interests of the country.

The members of the Canadian Forestry Association are reminded that the annual convention will be held in Ottawa, February 7 and 8, 1912. The most practical program of any yet offered has been prepared.

The bringing of the thousands of acres of farm lands in connection with the various Provincial institutions, not cultivated in a more or less haphazard and unscientific manner, under a central and directing head is being planned by the Ontario Government. The scheme is an important step towards bringing the public institutions under government control self-sustaining.

The Niagara Fruit Growers have backed up the action of the Ontario Fruit Growers' Association by passing a resolution at St. Catharines on Dec. 20th, asking that the inspection of diseased and insect pests in peach orchards be taken under provincial control.

The eighth annual convention of the Canadian Seed Growers' Association will be held at Ottawa on February 28th and 9th, 1912. This convention will be addressed by several prominent men, and many matters of importance and interest will be discussed. As this meeting commences on the last day of the convention of the Forestry Association, those from a distance desiring to attend will be able to obtain special rates. Further particulars may be obtained from the Secretary, Canadian Seed Growers' Association, Canadian Building, Ottawa.

To cows that don't do well after calving we give them hypochlorite of soda in dessert spoonful doses three times a day in the feed, and continue for a week or two. This drug works against blood poisoning. It is a specific for that purpose. We have used this treatment for some years, and have recommended it to others. We never know it to fail.—R. W. Walker, Ontario, Ce., Ont.

I received my premium Yorkshire hog pig for securing six new subscribers to your paper, and am well pleased with him. He is a dandy and is growing fine.—Donald Snell, Oxford County, Ont.