

Issued Each Week—Only One Dollar A Year

VOL. XXXII.

NUMBER 7

# FARM AND DAIRY

AND

# DAIRY

&

# RURAL HOME

Dairy and Cold Storage  
are - Cornish - Death

PETERBORO, ONT.

FEBRUARY 13

1913



**CHEAPLY SHELTERED AND FED—ADMIRABLY ADAPTED TO A ROUGH COUNTRY.**  
Sheep are very moderate in their requirements. A simple shelter, such as the one here illustrated, is as acceptable to them as the most elaborate structure. The cheapest of home grown feeds—hay, roots, chop—answer their requirements nicely. In summer they will pick a living where any other domestic animal would starve. Hence it is that sheep are excellently adapted to those rougher parts of our country where other lines of stock farming are not remunerative. There the sheep is indeed a "golden hoofed" animal, and there they may be expected to increase in popularity and numbers.

DEVOTED TO  
**BETTER FARMING AND**  
**CANADIAN COUNTRY LIFE**



## Milks 80 to 100 Cows

Read this Testimony of the B-L-K Milker, which it will pay you to have to milk your cows and be independent of hired help.

Q Your enquiry as to success I have had in operating the B-L-K Mechanical Milker, supplied by you, received, and in reply would say that we are well pleased with them. We have kept records of our herd yields for some time, and find that the machine does not affect the yields of our cows to any appreciable extent.

Q There have only been four cows in our herd that did not take kindly to the Milker, and we are milking something like eighty to one hundred cows regularly. The best results are obtained from heifers that are started on the machine. In this case, the stripping while we follow the practice with them as with the older cows, might be dispensed with, as the heifers in all cases have always milked out clean, unless a mistake of some kind has been made.

Q As to the economy of the installation. I figure that with average milkers in a herd the cost of one, the outfit will pay for itself in ONE YEAR.

Write us for an estimate of just what it will cost you to have a B-L-K Milker in your stable. Our booklet describing these machines will interest you. Send to-night for your copy.

## D. Derbyshire & Co.

Head Office and Works - BROCKVILLE, ONT.  
Branches: PETERBOROUGH, Ont. MONTREAL and QUEBEC, P.Q.

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

**The Milk Pail Shows**  
whether your cows are profitable producers or merely boarders. Some cows digest their feed perfectly and convert it into milk; others eat as much, but waste it because of poor digestion. Why not make them all profit-payers? It is merely a question of putting them in proper physical condition.

**Pratt's Animal Regulator**  
was designed for just this work, and has been doing it satisfactorily for 40 years. It increases the appetite, strengthens the digestive system; keeps the bowels active; improves the circulation; tones up and naturally stimulates the milk-producing organs, and thus means profitable production. 25c, 50c, \$1; 25-lb. pail \$3.50.  
Make milking easy. Cure sore teats with

**Pratt's Healing Ointment**  
25c, 50c  
The best remedy for sores, cuts, burns, scalds, wounds of all kinds.  
"Your money back if it fails!"

Our products are sold by dealers everywhere, or  
PRATT FOOD CO. OF CANADA, LTD.  
Toronto, Ont.

1913  
Almanac  
Free



### HOW LONG WILL THE PUBLIC STAND FOR THIS?

#### National Highway Condemned

A proposal that we have heard a good deal of in Canada during the last year or so, the one advocating the construction of "National" or leading highways in Canada, was strongly condemned at the recent session in Toronto of the Dominion Grange. In this connection the resolution dealing with the matter, read as follows:

"The spending of public money to build transcontinental highways for automobile traffic we consider to be highly reprehensible. Through roads are of no use to the farming community, and it is a misallocation of public funds to apply the hardy earned money of the people to construct 'coast to coast' roads which, in the very nature of the case, can be of little or no benefit to those whose earnings build them. Good roads we need and want, but they should be the average country roads leading from the farms to various market centres. Let the automobilists pay for the roads they wish to use, and let the farmers' money be applied to maintain the roads he uses. Surely this is but scant justice."

Later the following rider was suggested:

"We also protest against the criminal leniency which has often characterized the treatment given to many drivers of autos whose carelessness has resulted in injury or loss of life."

During the course of the discussion of this resolution it was pointed out that the parties advocating the construction of such highways are not farmers or the average resident of the city, but people who own automobiles, and who desire such roads to facilitate their trips through the country. In this connection the retiring Master of the Grange, Mr. Henry Glendinning, of Manila, pointed out that the roads in which farmers are most interested are those leading to the post office, cheese factory or railway station, and that these are the ones the improvement of which are most needed.

Mr. J. J. Morrison, of Arthur, pointed out that the reason the automobilists are able to accomplish so much with the government is because they are well organized. They have their active Motor League, which looks after their interests effectively whenever occasion arises. Farmers resent the manner in which many owners of automobiles dash over country roads, but as they are not organized they are not able to protest effectively.

"There are highways in Toronto down which you would not be allowed to drive a load of hay," said Mr. W.

L. Smith, of The Weekly Sun, "but the residents of Toronto who have automobiles can go flying over your country roads after a rain tearing up the surface as though they had been gone over with a plough."

#### A HEAVY EXPENSE

Mr. J. A. Powers, of Orono, ex-Warden of Northumberland and Durham, asked what was to be the division of payment for these roads. A member of Parliament had told him that the Dominion Government would defray half the cost of the road that it was proposed to construct between Kingston and Toronto, that the Provincial Government would pay part of the cost and that the united counties would have to pay a portion of the cost of that part of the road which passed through the united counties. This road was to cost about ten thousand dollars a mile, and as there would be 70 miles of it in the united counties, the cost of that portion of it running through the two united counties would be \$700,000. If the united counties were expected to pay only ten per cent of the cost, the cost of such a road to them direct would be \$70,000, while if they had to meet fifteen per cent of the cost it would be \$105,000. In addition to this, of course, they would have to pay, taxes, the proportion of the balance of the cost. He thought that for all the benefit the counties would get out of it, the expense would be rather deep.

Mr. Wm. McCrea, of Guelph, wanted to know what object an owner of an automobile could have when he bought a 40 or 50 horse power machine, capable of travelling 50 or 60 miles an hour, when the law limited their speed to 30 miles an hour. He believed that they had only one object and that was to break the law, as such men did not pay any attention to the limitations of the law when they thought that they could break it without being caught. The farmer after farmer told of accidents that had happened in the course of the careless driving of automobiles, some of which had resulted in death. Mr. Woods of Toronto, told of how he and his wife had been driven into the ditch by three automobiles, the drivers of which taunted him, as they dashed by, advising him to look out for his legs, and that they would teach him to get off the road.

The principle of the resolution was heartily endorsed by those present, although the resolution was referred back for further revision.

Horsemen in Eastern Ontario are not giving their young colts sufficient feed and care.—John Gardhouse, York Co., Ont.

Issue  
Each V

Vol. XX

Something

M OS

with  
"4  
been the  
general-  
tions is a  
a few hor-  
to do. No  
asked who  
was, "Be  
ready for  
a horse fo-  
for anyth-  
made his  
have been,  
since, dou-  
still in the  
We, of a  
a legitima  
horses, or  
horses. A  
casualty  
benefited,  
for the du-  
a fair ex-  
to the pro-  
it a busin-  
trade, but  
victim.

He does  
does not  
class or ty-  
of the tran-  
must "do  
do this his  
wasted his  
able tradin-  
have nothing  
may cor'in-  
fair profit  
this dealer  
horses by a  
with whom  
value in re-  
He must  
a failure.  
deal" he  
decide "the  
talker, an  
the more p-  
general prin-  
less he is  
nation to the  
"boer" is  
is it applic-  
word used  
follow" give  
horse that h

He does  
does not  
class or ty-  
of the tran-  
must "do  
do this his  
wasted his  
able tradin-  
have nothing  
may cor'in-  
fair profit  
this dealer  
horses by a  
with whom  
value in re-  
He must  
a failure.  
deal" he  
decide "the  
talker, an  
the more p-  
general prin-  
less he is  
nation to the  
"boer" is  
is it applic-  
word used  
follow" give  
horse that h

# FARM AND DAIRY

## RURAL HOME

Only \$1.00  
a Year

Vol. XXXII.

FOR WEEK ENDING FEBRUARY 13, 1913.

No. 7

### THE TRICKS OF HORSE TRADERS EXPOSED

Dr. J. Hugo Reed, Guelph, Ont.

Something about the Nature and Methods of Operation of those Slippery Gentlemen, who Live by "Dealing" in Horses. The First Trick Exposed.—"Plugging a Roarer"

**M**OST sections of the country are supplied with men whose principal business is "trading" horses. This has probably been the case since the use of horses became general. One of the writer's earliest recollections is a character of this kind who always had a few horses on hand, but had no work for them to do. Neither did he do any work himself. If asked what his business was, the answer always was, "Be darn, I'm a dealer." He was always ready for "a deal." He preferred to exchange a horse for a horse, but would in a pinch "deal for anything." It was his business, and he made his living out of it. Men of this kind have been "making a living" in this way ever since, doubtless for centuries before and are still in the business.

We, of course, do not refer to men who do a legitimate business in buying and selling horses, or to those who occasionally trade horses. An honest exchange of horses can occasionally be made by which both parties are benefited, each getting a horse more suitable for the duties required of him and in general a fair exchange of value being made. We refer to the professional trader, the man who makes it a business; he is not only always ready to trade, but is constantly on the lookout for a victim.

#### NEITHER FAIR NOR FREE TRADE

He does not want to trade because his horse does not suit him and he wants one of another class or type. His idea is to make money out of the transaction, and in order to do that he must "do the other fellow." Unless he can do this his business is a failure, and he has wasted his time and energies, and if unprofitable trading continued the trader would soon have nothing to trade. Hence in order that he may continue his business he must average a fair profit out of each "deal." In other words, this dealer is making a living for himself and horses by getting money or value from those with whom he is dealing without giving equal value in return.

He must get the "best of the deal" or he is a failure. In order to get this "best of the deal" he must resort to methods which tend to deceive "the other fellow." He must be a good talker, an affable fellow, a cheerful liar, and the more "tricks of the trade" he is handy at the more profitable his business will be. On general principles he must never "deal" unless he is getting some "boot." (In explanation to the non-initiated we may say that the "boot" is not the kind that it should be, nor is it applied in the orthodox manner; it is a word used to express the cash that "the other fellow" gives to the dealer in addition to the horse that he is exchanging.) In this way the

dealer receives another horse and some cash in mostly all "deals."

#### WHERE WE MUST BEWARE

He occasionally comes into possession of a horse of considerable value, which he will trade for one that is unsound or of bad manners, and of little value. In this case, of course, the "boot" will be considerable, and probably the "other fellow" has also made a good trade. Now the skill and tricky knowledge of the dealer

#### A Pertinent Question

The Hon. Martin Burrell, Minister of Agriculture for Canada, has asked Parliament to set aside \$10,000,000 for the "promotion of agricultural education in Canada." I must congratulate Mr. Burrell on his sincere effort and desire to advance the cause of agriculture. But I would like to know if Mr. Burrell is making provision for the expenditure of this great sum? Is this \$10,000,000 to be all spent in teaching us farmers how "to grow two blades of grass where one grew before?" Is Mr. Burrell aware that in the United States in 1912 their crops exceeded those of the year previous by many millions of bushels, but that, owing to poor marketing facilities, the farmers of that country will receive several million dollars less for their crops than in 1911. We have confined agricultural education too long to the producing end. I would like to ask Mr. Burrell how much of that \$10,000,000 is to be spent on marketing instruction? Farming, I fear, will profit but little from this expenditure if all is spent promoting production.—A. MCB., Clengary Co., Ont.

has an opportunity for application. His function is to patch up this "skate" to make him appear sound and valuable in order that he may be able to "do" his next victim.

The knowledge these experts acquire in this line is remarkable, and in some cases almost incredible. We can readily understand that the success and profit of his business will to a great extent depend upon his knowledge and skill in these matters, added, of course, to his affability and good fellowship in general, and ability to make his probable victim think that he is very anxious to do him a good turn. He (the trader) must be unscrupulous in his methods, regardless of the truth, ready to say and do anything in order to deceive, and regardless of the legal liability his representations may incur. He is out to get the best of the deal and will not stop at any methods, honourable or otherwise, that will aid him in doing so. As a matter of fact these dealers should not be allowed to operate and they all would be confined in prison if those whom they deceive had recourse to the courts, but the

victims are usually willing to "take their medicine" rather than make public the fact that they have been green enough to be taken in by a professional horse trader.

#### WHERE DECEPTION IS COMMON

Probably the most common diseases or unsoundnesses that the dealers are able to temporarily disguise are diseases of the respiratory organs; especially roaring and heaves. A horse is said to be a "roarer" or to "make a noise" when upon more or less severe exercise he emits an unnatural and loud whistling or roaring sound during expiration. When at rest nothing abnormal can be noticed, but upon exercise the sounds are easily heard. There are degrees of this trouble. In some horses even walking exercise will be sufficient to produce the symptoms, while in others faster exercise is necessary, and in some it is necessary to give violent exercise or excitement. There is also a great difference in the nature and volume of the sound. The condition is due to a lessening of the calibre of the larynx (the cartilaginous box leading to the windpipe), due to an acute disease of the throat from which the horse has previously suffered. The noise is caused by a large volume of air being forced through a constricted passage.

The air enters the windpipe without causing the noise, but during its expulsion the sound is audible. When the horse is at rest a sufficient volume of air to oxidize the blood can pass without trouble, but upon exercise, when larger quantities of air are required, the sound is produced. Now any means that will prevent too large volumes of air entering the nostrils will prevent the noise. If the finger be passed up at the superior portion of the nostril it will enter a blind cul-de-sac, which is called "the false nostril." The walls of this false nostril are detectable, and when necessary they expand to admit large volumes of air.

#### PLUGGING THE NOSTRILS

The faker or trader is aware of these facts, and when he expects to "deal" a horse off he plugs the false nostrils with absorbent cotton or some other material in order to prevent sufficient air entering the nostrils to cause the sound. After the deal has been made the dealer usually has an opportunity of removing these plugs, and if not it is probable the horse will have coughed or sneezed them out before the next day, when the new owner discovers when he commences to work or drive the horse, that he has come into possession of a musician. This is a trick that is easily detected by any person who has any suspicion. All that is necessary being the insertion of the finger into the false nostril, when the presence of the plugs can easily be detected.

Fifty good hens, well fed and cared for, and all the egg money placed at interest, will at the end of 50 years be a sum sufficient so that the interest on it will yield a living for a family

### His Best Market

A. McGibbon, Halton Co., Ont.

The saying "To strain at a gnat and swallow a camel" expresses a weakness of humanity generally. We farmers are just as weak in this respect as anyone else. We were recently visiting a farmer friend near here. He was very much concerned as to which of two towns nearby would afford him the best market for the dairy butter that his wife had been making at home since the conclusion of the cheese factory season. He knew that there would be a difference of more than one or two cents between butter quotations in the two different towns, but if there was any difference he wanted to get it—and he was right. It is the object of every business man to sell on the highest market. We decided that our friend must be a business man.

Later when I went to the stable I discovered that while he was "straining at a gnat" in the house he was just as readily "swallowing a camel" in the stable. "Which of your cows is the best milker?" I asked. He hadn't an idea.

As I had been on friendly terms with this farmer for some years, I felt that I could express myself more freely than to a stranger.

"Ever test them?" I next inquired.

"No."

"Then how do you know that one of the cows may not be eating up the profits of two or three of the others?" He had to admit that it was quite possible that such might be the case.

This man, like many of the rest of us, was very careful about the marketing of his finished product, but he was marketing practically all of the raw produce produced on his farm without first ascertaining where he could market it to best advantage. Some of the cows might not give him one cent in return for feed consumed. Others might return a good square profit.

We should regard every cow an individual market and keep in our herd and breed from only those cows that afford us the best market. This is sound business.

### Alfalfa to Solve Labor Problem

J. W. Widdfield, Uzbridge, Ont.

I am becoming enthusiastic in the growing of alfalfa. I believe that it, more than any other crop, will aid in solving the labor problem. We once thought that the corn crop would solve this problem, but corn apparently keeps us just as busy as the other crops in ordinary use.

I believe that alfalfa will take the place of other soiling crops and the place of grain crops and corn for winter forage. If one has a proper system of handling the alfalfa crop, it can be handled satisfactorily in the worst season. For instance, if we happen to cut it before a rain we can put it in the silo. In dry weather we would make this crop into hay and put it in the mow. I myself am just beginning to see the possibilities of alfalfa in connection with the labor problem.

If five good cows are kept and the money received from the buttermilk put into the bank, at the end of 50 years this will amount to \$100,000, an amount that is possible for a man of 21 to accumulate by the time he is 70.

Barnyard manure can be used to reduce the effects of drought. When soil has been manured it holds more moisture, and when the soil is rich in humus and plant food the crop can get along with less moisture.

The keeping of live stock is a necessity. Fer-

tility will be turned back to the land. The labor needed is better distributed and the live stock business is less subject to adverse climatic conditions than grain raising. The silo will greatly increase the number of cattle that can be kept on a given area of land. The silo is in one sense a concentrated meadow.

### Heavy Producing Grade Cows

The two grade Holstein cows illustrated on this page have made remarkable records. Their owner, Mr. J. E. Waring, Oxford Co., Ont., writes us that cow No. 1, freshening Dec. 1, 1911, produced 19,345 lbs. of milk as a four-year-old, and freshened again on Oct. 9, 1912.



No. 1. A Profit Maker of Merit

No. 2 freshened in the fall of 1911 and again in October, 1912, giving birth to a fine pair of heifers, and in the interval produced 17,025 lbs. of milk as a five-year-old. These cows were formerly owned by Mr. G. W. Pierce, also of Oxford county, who made splendid records with them.

Both Mr. Pierce and Mr. Waring are agreed as to the great importance of absolute regularity in the feeding and management of the dairy cow. Mr. Pierce has told us that he believed in feeding by the clock, and that when such feeding is practised, the cow will milk splendidly on much smaller grain rations than



No. 2. Another of Mr. Waring's Producers

The two cows illustrated on this page together made 35,370 lbs. of milk in one year. How is that for profitable production? They are owned by Mr. Waring, Oxford Co., Ont., who tells more about these cows in an article adjoining.

when they are milked "any old time." Mr. Waring, in sending Farm and Dairy the photos and records of these two cows, writes as follows:

"I am not a heavy feeder, but I endeavor to study my cows and feed them those feeds that they relish most. I hardly ever find two cows that will take the same feeds in the same quantities. I also believe in feeding a variety of feeds that will balance well.

"We count on punctuality in feeding, watering and milking. This is the main factor in getting the best results from the dairy cow. The boy holding the cows in the photos is my son. He took the greater part of the care of these cows when making their records, and, I believe, is going to make a wide-awake dairyman."

Good farming is the best insurance against crop failure. Farming is a business. It requires a better business head—a man of broader vision—to farm scientifically than to practise in any other profession.

### Seed Selection is Both Practical and Profitable

T. C. Raynor, Seed Division, Ottawa

A seed has been styled "a plant packed." In it lie great potentialities. Any plant is the better for getting off to a good start. Repeated experiments have demonstrated that the use of large, plump seed gives the best results. Such seed has an abundant store house of plant food to draw upon, which proves especially valuable when the season is adverse to good germination and rapid growth.

In the State of Kansas they have been paying attention to wheat and corn improvement with the result that farmers are receiving double the commercial prices for good seed wheat and corn; seed wheat brings \$2 a bushel and corn from \$1.50 to \$5 a bushel.

In the State of Wisconsin a good deal of attention has been paid to the development of profitable strains of wheat, oats, barley, and corn. Some of the Agricultural College graduates have tried out some of these improved strains with the result that not only has a large state market been opened, but an interstate one as well. The Experimental Station acts as a sort of clearing house by putting a prospective buyer in communication with the growers who have any surplus on hand. Many of these growers are now producing hundreds of dollars' worth of seed instead of a few dollars' worth as formerly.

#### CANADIANS DO IT TOO

But why go out of our own country for illustrations of profitable seed production. Until the organization of the Canadian Seed Growers' Association, there were a few farmers here and there who made a small profit in growing seed grain for the seedsmen or neighboring farmers. Now that members of the C.S.G.A. are making a specialty of growing certain crops for seed under certain directions and restrictions, there is a larger quantity of seed grain available to meet the increasing demand; but nothing like enough to meet that demand as yet.

#### SOME EXAMPLES OF SUCCESS

Mr. C. R. Gies, of Heidelberg, Ont., who has been selecting Dawson's Golden Chaff wheat for a number of years has been selling large quantities for seed at satisfactory prices. Mr. Wm. Lewis of Dunsford, Ont., has been selecting Siberian oats for which he hasn't been able to keep pace with the demand, at \$1 to \$1.25 a bushel. Mr. Alf. Hutchinson of Mt. Forest, Ont., who is working with Empire State potatoes, notwithstanding the comparative failure of the crop in most parts of Ontario in 1911, had what promised to be, when I saw the field, a yield of 200 bushels an acre. Mr. Thos. Waugh of Bechoque, P.E.I., has done well with Banner oats. Most of the Banner oats grown on the island province can now be traced to his strain. In 1910, when 1,000 bushels of Banner oats were required for a public auction of seed oats at a seed fair in Quebec City with selection behind them, it was P.E.I. oats that were obtained.

Mr. Harry Brown of N.S. has made a reputation for himself in potato growing. Mr. Jno. Mooney of Regina, Sask., has been able to sell car loads of improved seed wheat at remunerative prices.

#### INTERNATIONAL WINNINGS

To cap the climax for seed selection the results of two members of the C.S.G.A. with exhibits at New York City in what might be termed an international affair are outstanding. Mr. Seager Wheeler of Rosthern, Sask., who has grown a quantity of registered Preston wheat was very much impressed with the New Marquis variety, and decided to improve it as well. At the above exhibition he won the \$1,000

(Continued on page 6)

I often  
good be  
cattle  
of F. R.  
are to be  
find the  
Recently,  
visited Mr.  
information  
of Holstei  
to "Our I  
Breeders'  
ber 5. W  
lory's ban  
of which  
Dec. 5; a  
tharticul

This ba  
It is differ  
tance in t  
on a barn  
part of th  
people ar  
only one-h  
as it woul



It has long  
farmers in  
Malory, Fra

remarked M  
as much at  
cover with  
to give in  
paint; it co  
as against  
make but s  
use the gre  
four days."

STAL  
As one g  
it is then  
from other  
designed by  
mind the ex  
vantage for  
have them  
are shown in  
The partition  
cement base  
seen, they a  
not see anot  
can cause n  
other. The  
there is no  
intended for  
The illust  
cow bowl, fo

## SOME NOTEWORTHY POINTS ABOUT AN ALTOGETHER ATTRACTIVE DAIRY BARN

**A New Barn and Stables Erected by Mr. F. R. Mallory, of Hastings Co., Ont., it Having Been Designed by Himself, and for the Special Purpose of Housing, to Best Advantage, his Record Making Holstein Cattle.**

It often has been remarked that where we find good barns, we find poor cattle; where good cattle are, there we find poor barns. But of F. R. Mallory's place in Hastings Co., Ont., are to be found not only good cattle; you will find there an exceptionally good barn as well. Recently, one of the editors of Farm and Dairy visited Mr. Mallory for the purpose of securing information about his great "May Echo" family of Holsteins, and which information was given to "Our People" in Farm and Dairy great Breeders' Annual Magazine Number, December 5. We were greatly taken with Mr. Mallory's barn. We took several photos of it, two of which were published in Farm and Dairy, Dec. 5; others are given in connection with this article.

### BOOMING IN GREEN PAINT

This barn presents a striking appearance. It is different from others viewed from a distance in that it is painted green. This color on a barn was so unusual in Mr. Mallory's part of the country that it caused all of the people around there to talk about it. "It costs only one-half as much to paint the barn green as it would have cost had I painted it red,"



**Is This a Rare Combination?—Good Stock and a Good Barn**

It has long been said that our best breeders usually have the poorest building of any farmers in their neighborhood. An exception must be made in the case of Mr. F. R. Mallory, Frankford, Ont., whose splendid new stock barn, illustrated herewith, is described in the article adjoining.

—Photos by an editor of Farm and Dairy.

remarked Mr. Mallory. "Green paint will cover as much as one coat as any other paint will cover with two coats. Hence I was required to give the barn only the one coat of green paint; it cost me 90 cents a gallon in barrels as against \$1, the price for red. Having to make but the one application, it saved time to use the green. Two men put it all on in about four days."

### STALLS ADAPTED FOR RECORD WORK

As one goes inside of Mr. Mallory's barn, it is then most noticeable as being different from other barns. The stables and stalls were designed by Mr. Mallory himself, having in mind the express purpose of securing every advantage for his cows at such times as he would have them under official tests. The stalls, as are shown in the illustration, are all individual. The partitions of lumber are set up on a cement base of about ten inches. As may be seen, they are so constructed that one cow cannot see another on either side of her, and thus can cause no annoyance whatever one to the other. The mangers, too, are individual and there is no possibility of one cow getting feed intended for and given to another.

The illustration also shows the individual cow bowl, for watering purposes, set in each

second partition, one bowl serving for two cows. Chain ties are used.

The feed alley down between the two rows of cows facing each other is raised considerably. The floor of the alley at its sides forms the back part of each of the individual mangers. The front of the stalls, as may be seen also in the illustration, is of heavy fence wire.

### ARRANGEMENT FOR EXTRA SPACE

That part of the stable wherein the roots are stored is made into a series of bins or boxes. This arrangement gives more box-stall accommodation as the roots are fed out; and on towards spring, with more calves and young stock on hand, the space becomes available for them.

A great deal of cement entered into the construction of this stable. The walls are cement, the floors are cement, the mangers are cement, and, as noted, the bases of the partitions also are of cement. All told, 1,119 bags of cement were used in this construction. Mr. Mallory had expected the Canada Cement Company prize in 1911, but was beaten out in quantity of cement used by the Allison Stock Farm.

### NEAT CEMENT JOB WORKED BY AMATEURS

Rarely have we seen as neat a job of cement work all through as is to be found in Mr. Mallory's barn. On making this remark to Mr. Mallory he replied, "We were not expert masons by any means, but we stayed on the job and got it as we wanted it."

The stable ceiling presents a fine and pleasing appearance in that it is celled with metal. It is all to be whitened with whitewash. The metal was fairly inexpensive, too, the whole stable being celled at a cost of

only \$50.

The dairy room has commendable features not always to be found, as they should be, in every dairy room in connection with a stable. It is entirely walled off from the stable and has an outside door and window.

### GOOD MANAGEMENT WITH MANURE

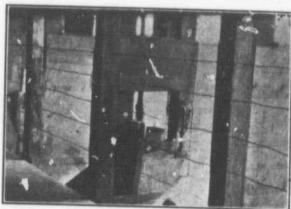
A litter carrier facilitates the work of cleaning the stables. The manure is run out of the barn on that side opposite, and quite away from the barnyard. The manure, dumped as it is by itself, is easily loaded and is hauled away as made, being placed directly on the fields. This arrangement ensures a nice, clean barnyard such as we too seldom see throughout the country.

Up above the stable, over the cows, the cow-hay is stored. The barn being of self-supporting roof construction, and having no posts, permits of driving in, unloading and turning around in the barn. At threshing time this construction is also of great advantage in that the straw from 2,000 bushels of grain is all kept in the barn and scarcely at any time is a man required to be in the straw all day while threshing.

The horses and dairy stock, young cattle, etc., are watered from a large tank cistern

under the driveway, from whence the water is piped to individual cow bowls and elsewhere as required. The barn has a metal roof and thus ensures clean pure water. The milking cows are supplied with water from a well under basement of barn.

The general neatness and cleanliness of the



**The Manger Arrangement in Mr. Mallory's Barn**

Note the high partitions between the cows, the individual water basins and the chain ties.

stables was most noticeable. It is such a place as one could delight to work in. The window lighting is exceptionally good.—C. C. N.

### Labor Distribution

J. L. Tennant, Brant Co., Ont.

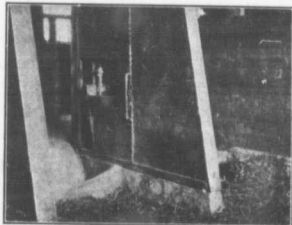
I have in mind a farmer in our neighborhood with 200 acres of land who follows no special line of agriculture, but manages to keep himself and his son employed the year round. He to a great extent has solved the question of labor distribution.

Each winter he feeds 10 to 15 head of fat cattle in addition to 10 or 11 milch cows. Altogether he has 35 or 40 head of cattle requiring attention. His stable is so arranged that a team attached to a sled can be driven right through in cleaning away the manure, and then go on directly to the fields. He chops his own feed with a gasoline engine.

This neighbor grows potatoes and turnips for market. These are graded and drawn to market in the winter, thus profitably using both manual and horse labor.

He usually has two or three colts coming on, and these are trained ready for sale when other farmers have little to do.

The keeping of accurate accounts I believe, would do much to enable farmers to solve their



**The Cow Stalls From the Rear**

Note that each cow has an individual manger to herself in Mr. Mallory's stable. The main object in building the stalls in this fashion was to make conditions most favorable for record-making.

labor problems. Few of us know the cost of the various products we have for sale. If we did there might be several that now demand attention in busy seasons that we would be better off without, and several of our winter industries that accounts would encourage us to extend.

**The Feeders' Corner**

The Feeders' Corner is for the use of our subscribers. Any interested are invited to ask questions, or send items of interest. All questions will receive prompt attention.

**Feed—Our Weakest Point**

The most important single factor in the improvement of farm animals and the development of desirable breeds to a reasonable degree of perfection, is

feed, says a writer in a recent issue of the American Breeder. In giving feed this credit it is, of course, necessary to include with the term, judgment and care in feeding, but it is the quality and quantity of feed more often than anything else that is lacking, and it is a better realization of the importance of quality and quantity of feed more than anything else, which must come to the stock men of this country before they can make the progress in animal husbandry which its importance and the money invested in it justifies.

The hundreds of thousands of dollars which every year go to the countries of Europe for imported draft horses is a tribute mere to the superiority of the feeding methods of the old country breeders than to the superiority of the blood they use. American breeders, as a rule, are second to none in their willingness to spend money on good breeding stock, but there is a widespread lack among breeders and a more nearly universal lack among the farmers (who are the ultimate customers of the breeders) when it comes to developing the produce of the well

bred animals which have been secured.

**FRENCH FEEDING METHODS**

In France, for instance, it is the rule to full feed colts in developing for breeding animals, giving grain to foals, yearling and two-year-olds in connection with luxuriant pasture, colts of the latter class getting as high as 25 pounds a day on grass. In this country it is the exception. A very large proportion of the colts raised in this country get no grain while nursing excepting what they pick up around the feed boxes of older horses. As yearlings they spend a long season on pasture (often including as much as two months of short grass and hot weather), during which time they get no grain whatever.

As two-year-olds they are very likely to be roughed through the winter without grain, passing through the

**FINANCIAL STATEMENT**

OF THE

**Mutual Life of Canada**

HEAD OFFICE - WATERLOO, ONTARIO

For the Year ended 31st December, 1912

**CASH ACCOUNT**

INCOME		DISBURSEMENTS	
Net Ledger Assets, 31st December, 1911	\$17,301,607 03	Death Claims	\$440,453 96
Premiums (Net)	2,692,199 27	Matured Endowments	335,867 00
Interest and Rent	1,007,311 31	Surrendered Policies	212,530 57
Suspense Account, etc.	1,054 43	Surplus	377,531 29
		Annuities	9,403 62
		Expenses, Taxes, etc.	\$ 1,275,886 44
			615,833 68
		Balance Net Ledger Assets, 31st December, 1912	19,110,532 72
	\$21,002,192 04		\$21,002,192 04

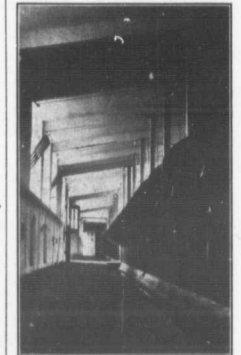
**BALANCE SHEET**

ASSETS		LIABILITIES	
Mortgages	\$11,661,716 34	Reserve, 3% and 3%	\$16,161,753 56
Debtures and Bonds	5,668,063 96	Reserve on lapsed policies on which surrender values are claimable	5,294 93
Loans on Policies	2,616,639 88	Death Claims unadjusted	67,260 67
Premium Obligations	10,253 99	Matured Endowments unadjusted	4,566 00
Real Estate	23,261 59	Present value of amounts not yet due on matured instalment policies	114,317 81
Cash in Banks	380,963 63	Dividends due Policy-holders	8,247 43
Cash at Head Office	2,151 01	Deferred Dividends	19,570 79
Due and Deferred Premiums (net)	433,711 10	Premiums and Interest paid in advance	17,043 94
Interest due and accrued	488,536 01	Taxes due and accrued	18,508 01
		Due for medical fees and sundry accounts	15,063 81
		Credit Ledger Balances	36,864 97
		Surplus, 31st December, 1912	\$3,600,755 69
	\$20,071,344 80		\$20,071,344 80

Audited and found correct,  
J. M. SOULLY, F.O.A., Auditor.  
Waterloo, January 26, 1913.

GEO. WEGENAST,  
Managing Director.

New business (Canadian) written in 1912	\$11,121,424	Increase over 1911	\$1,094,050
Assurance in force, December 31, 1912	77,931,344	Increase over 1911	6,900,374
Assets, December 31, 1912	20,071,346	Increase over 1911	1,909,496
Surplus, Government standard, Dec. 31, 1912	4,388,261	Increase over 1911	738,228
Surplus earned in 1912	638,875	Increase over 1911	136,813
Surplus earnings for the year amounted to 3.15 per cent. of premiums received.			



**Convenient Movable Mangers**

The type of manger in use at McDonald Cattle Co., and here illustrated, has many advantages. Each cow gets exactly the amount of feed intended for her which is hardly possible with the continuous manger. Then by elevating the partitions as shown in the illustration the cows may be watered in the same trough that forms the bottom of the manger. Mangers too are easily cleaned when the partitions can be elevated. The mangers are made in sections and are easily elevated with the assistance of pulleys and weights as seen in the illustration.

—Photo by an editor of Farm and Dairy.

period of greatest importance perhaps in their development, with the least opportunity for development. The result is that the average colt raised on the American farms is not ready to go to work until it is four years old and at that age is no larger than it ought to be at two. It is a little tougher from age and may endure more work than it would have as a two-year-old, but the chances are that the extra difficulty of breaking a four-year-old more than offsets any advantage it has in the matter of endurance.

Its rather cold around the top of the windmill these days, but remember that oil is cheaper than machinery and a cool job doesn't do anybody much harm.

We are cheating somebody every time we use milk pails that have not been washed since the milking the night before. And that somebody is ourselves.

A large hoghead and a day's labor would supply many a farm woman with soft water right in the house, where now it must be carried from the distant well or spring.

Members

THE Y...  
for t...  
dian...  
(breeders)...  
this asso...  
to the fro...  
the forefr...  
association...  
registration...  
Last year...  
of the asso...  
During...  
were adm...  
creasing th...  
most 1,500...  
als registe...  
7,104. Th...  
over the b...  
cash balan...  
during the...  
stood at th...  
\$6,140.89...  
invested in...  
er assets...  
association...  
statement

MAN...  
The annu...  
unusually...  
interest be...  
to bring th...  
into harm...  
American...  
facilitate t...  
cattle betw...  
This change...  
necessitate...  
bership fee...  
tering purp...  
was voted...  
Interest...  
made by M...  
to increas...  
ates from...  
from \$5 to...  
posal was e...  
meeting wa...  
tary of Mr...  
held the p...  
and the app...  
Mr. W. A...  
whom a mo...  
position oc...  
in Canada...  
of experie...  
sion of the...  
ture at Ott...  
the Nationa...  
Clemons...  
throughout...  
most of the...  
time, and r...  
sion by th...  
conducted...  
had charg...

The follo...  
President—...  
Vice-Pros...  
brook, Ont...  
Flat, Mill...  
Pres.—M. L...  
4th Vice-Pr...  
Caledonia...  
ona, St. Geo...  
New Sangre...  
Logan, Amb...  
nerwood...  
Red Deer...  
There was...  
Vice—F...  
Richardson...  
on and Neil...

**A BANNER YEAR FOR THE HOLSTEIN BREEDERS**

Membership Almost Exceeds 1500. Assets Exceed \$15,000. Over 7,000 Registrations Last Year. New Secretary Appointed.

THE year 1912 was a banner one for the members of the Canadian Holstein-Friesian Cattle Breeders' Association. Year by year this association has been forging to the front, until it now stands in the forefront of all the live stock associations in point of membership, registrations and financial resources. Last year was the best in the history of the association.

During the year 244 new breeders were admitted to membership, increasing the total membership to almost 1,500. The total number of animals registered during the year was 7,104. This was a marked increase over the best previous records. The cash balance on hand also increased during the year by over \$4,000, and stood at the close of the year at \$6,140.89, not including over \$8,000 invested in municipal bonds and other assets. The total assets of the association as shown by the auditors' statement are \$15,698.

**MANY MEETINGS PRESENT**

The annual meeting this year was unusually well attended, considerable interest being taken in the proposal to bring the by-laws of the company into harmony with those of the American Association in order to facilitate the exchange of pure-bred cattle between the two countries. This change in the by-laws would have necessitated an increase in the membership fee and in the cost of registering pure-bred bulls. The proposal was voted down.

Interest was also taken in a motion made by Mr. R. F. Hicks, proposing to increase the fee for impel. certificates from \$10 to \$25 on bulls and from \$5 to \$10 on females. This proposal was endorsed. A feature of the meeting was the resignation as secretary of Mr. G. W. Clemons, who has held the position for some 13 years, and the appointment to that office of Mr. W. A. Clemons, his son, than whom a more competent man for the position could probably not be found in Canada, he having had many years of experience in the Live Stock Division of the Department of Agriculture at Ottawa and of late years in the National Records Division. Mr. Clemons, who acted as secretary throughout the meeting, was seen by the most of the members for the first time, and made a favorable impression by the able manner in which he conducted the business of which he had charge.

**OFFICERS ELECTED**

The following officers were elected: President—Jas. Rettie, Norwich. 1st Vice-Pres.—R. F. Hicks, Newtonbrook, Ont. 2nd Vice-Pres.—D. C. Platt, Millbrook, Ont. 3rd Vice-Pres.—M. L. Halsey, Springford, Ont. 4th Vice-Pres.—J. W. Richardson, Caledonia. Secretary—W. A. Clemons, St. George. Directors: Messrs. Neil Saunter, Ormsdown; Q.; S. A. Logan, Amherst, N.S.; G. A. Brethren, Norwood, Ont.; and N. Michener, Red Deer, Alta.

There was a contest for the fourth Vice-Presidency between Messrs. Richardson, G. Laidlaw, G. A. Brethren and Neil Saunter.

**DIRECTORS' REPORT**

The annual report of the Board of Directors referred to the great progress made during the year, and mentioned the fact that recent additions to the membership included His Grace the Duke of Sutherland, Sir Henry M. Pellatt, Hon. James Dunsuir, of British Columbia, and other gentlemen almost equally prominent. Among the more interesting para-

graphs in the report were the following:

**RECORD OF MERIT**

"The action taken at the last annual meeting in restricting the amount of prize money that might be awarded to any one breeder to \$25 has saved the association about \$800, as compared with last year, while it has not discouraged testing. The total number of official tests accepted during the year was 516, of which 371 were new tests for 7 days; 97 were additional tests for 7 days; 31 were 14-day tests; 1 was a 24-day test; 37 were 30-day tests; 2 were 40-day tests; 2 were 50-day tests; and 5 were special tests made at least eight months after calving. The following are now the leaders in the various classes:

	Lbs.
Butter	
Mature—Jenny Donaghy Ormsby.....	33.61
Senior 4-yr.-old—'net Poesch De Kol.....	36.53
Junior 4-yr.-old—Aggie Mercedo.....	37.09
Senior 3-yr.-old—Lady Pletie Canary.....	36.43
Junior 3-yr.-old—Bessie Netherland De Kol.....	35.58
Senior 2-yr.-old—Alta Poesch.....	27.96
Junior 2-yr.-old—May Echo Sylvia.....	21.65
Thirty-day record—Hobben De Kol.....	159.57

"Twenty-seven bulls were admitted to the Record of Merit during the year. There are now 99 bulls and 1,541 cows entered.

**RECORD OF PERFORMANCE**

During the year 96 cows have qualified in the Record of Performance, bringing the total number up to 301. Five bulls have qualified for admission by being four tested daughters, all from different dams. The following are the leading cows:

	Lbs.
Butter	
Mature—May Echo.....	102.95
Four-year-old—Daisy Pieterie De Kol.....	64.31
Three-year-old—Hobben De Kol.....	710.94
Two-year-old—Jenny Donaghy.....	632.90

The most noteworthy records of the year were made by the two-year-olds, Calamity Poesch Wayne, 3rd made 689.95 lbs. butter; Lulu K, made 678.33 lbs. butter; and May Echo Sylvia made 642.80 lbs. butter; certainly a very good showing for that age.

**THE YEAR BOOK**

"At the meeting of the Executive Committee on August 31st last, the secretary was authorized to publish and distribute free of charge to members a Canadian Year Book, summarizing under their sires and under their dams all the cows with official and semi-official records made in Canada. This volume was delayed for some time by the difficulty of securing sufficient italic type to print the names of the proven sons under their sires and dams, but it is now about ready for distribution. As it covers the work of a dozen years and is a mass of figures, it is expected that some inaccuracies will be found in it. Breeders who notice such will confer a favor by reporting them to the secretary, so that they may be corrected in future volumes. This little book will afford breeders invaluable information regarding the families that have proved most uniformly productive at the pail and churn. A sufficiently large edition has been printed to enable us to place copies in the hands of agricultural colleges and officials, and also to supply the classes in animal husbandry at our agricultural colleges with copies for use as text books.

The office of the secretary was removed to more suitable quarters in the town of St. George, about the end of (Continued on page 10)

**MERCHANTS PRODUCE CO.**  
 Butter Eggs Poultry Honey Beans Apples Potatoes, etc.  
 Our constantly growing trade 'made large supplies of choice farm produce. We need you. Write for weekly market letter.  
 57 Front St. E., Toronto

**EGGS, BUTTER and POULTRY**

For best results ship your live Poultry to us, also your Dressed Poultry, Fresh Dairy Butter and New Laid Eggs. Egg cases and poultry crates supplied.

PROMPT RETURNS  
 Established 1854

The **DAVIES** Co. Ltd.  
 Toronto, Ont.



Some farmers are like Gladstone. You will remember he got his exercise by chopping down trees.

Some farmers—a good many of them—are getting theirs like the man in the picture above.

Trundling one wheelbarrow-load after another for half a day from stable to yard is exercise all right. And what a "plug" it is to get a well-filled wheelbarrow up the plank gangway on to the manure heap—especially in winter.



But have you time for this exercise?

Then why do it?

You wouldn't think of sowing or reaping in the old-fashioned way. Then don't make cleaning out stables the exception.



DILLON'S LITTER CARRIER lightens the labors of farmer's boy or hired man. It enables him to finish the stables in a fraction of the time before required.

A trim, well-kept barnyard, too, is the result of using a DILLON'S LITTER CARRIER. The bucket can be run out over the yard and dumped where desired.

A boy can work it. It can be fitted up without difficulty. The cost is the minimum for a first-class equipment. We have no Agents—you deal directly with the factory.

**DILLON'S Litter Carrier**

Figure it out for yourself. Get our free book.

Dillon's sell direct to the Farmer. There are no Agents or no Agents' profits. The price is the same to all, and lower than you would expect for such substantial and well-built equipment. DILLON'S BOOK ON CLEAN STABLES gives you an exact idea of what you can accomplish for a small outlay. Write for a free copy.

**R. DILLON & SON**  
 OSHAWA, ONT.



## HIGHEST PRICE FOR CREAM

**T. EATON CO. LIMITED** is now paying 31c per lb. for Butter Fat. We buy cream, sweet or sour, of good flavor. We furnish the cans and pay the express charges within a radius of 250 miles of Toronto.

We test and weigh each can on arrival, and send you a statement for same.

We pay all patrons once a week, and the price is increased as the price of butter advances.

Drop us a card, and we shall be pleased to furnish you with any further information you may require.

**THE T. EATON CO. LIMITED**  
TORONTO - CANADA

## FREE STYLE BOOK FOR 1913 OF



“Quality Line”

## VEHICLES AND HARNESS

NINETEENTH YEAR OF SELLING  
DIRECT TO THE USER

Our Catalogue will help you to choose just the Vehicle or Harness you require, and **SAVE YOU MONEY**. It describes and pictures many styles, giving prices, **RIGHT PREPAID**, and fully explains our method of Selling Direct and saving you the Middlemen's Profit. Remember, we pay the freight in Ontario and Eastern Canada. The Catalogue is Free, for the asking. Send for it Today.

**INTERNATIONAL CARRIAGE CO.**

Dept. "D" Brighton, Ontario

## MAPLE LEAF CANADIAN LINSEED OIL CAKE BRAND



## OUR Oil Cake Meal

Has no equal as a

## Milk and Butter Producer

It not only increases the flow of milk, but adds greatly to its butter making properties, aids digestion in the cow, and therefore makes the rough feeds of greater productive value. It puts muscle on the beef animal in the right places, and makes prize winners.

Try it on your young cattle, spring calves, horses and sheep, and

## Watch the Result

If your dealer cannot supply you write direct for samples and prices.

## The Canada Linseed Oil Mills

Mills at

**MONTREAL and TORONTO**

## HORTICULTURE

### Orchard and Garden Notes

Get hotbeds ready for use the latter part of the month or early in March. Lucullus is one of the best varieties of Swisschard. This is a leaf beet excellent for greens.

Prepare a garden plan and order the seed needed for a good succession of vegetables during the season.

Begin to test the vegetable and farm seeds this month. Look for impurities in the seed as well as seed of low germinating quality.

The reason Europeans get such large returns from a small area is that they apply immense quantities of manure and then thoroughly cultivate the crop.

It has been proved many times that the large, plump, well-formed seed will give the best and quickest crop returns. Moral: Plant only large, well developed seeds.

Spinach is one of the earliest and quickest maturing of vegetable crops. It is excellent used as "greens," Triumph and Bloomsdale are two good varieties. Plant early as it runs to seed quickly when sown in hot weather.

Early peas may be planted between rows of newly set raspberries or blackberries the first year. As soon as the peas are gone plow the vines under and plant beans. This will pay for taking care of the land until the raspberries fruit.

If snow has drifted over the small evergreens or currants and there is danger of breaking the branches scatter some coarse ashes or cinders over the snow on a bright day. This will help melt it and as the cinders settle will cut the drifts and allow the branches to break through.

Now is a good time to study the matter of buying a small home canning outfit for saving the surplus vegetables for next winter's use. There are some good makes on the market costing from a few dollars up. They will save many crops for winter use at comparatively small cost. A gardener told me the other day that he canned peas, beans, corn, etc., in quantity for use during the winter and so far had experienced no loss. He used a canning outfit costing about \$12 and put the material in glass jars.

### Selection of Orchard Soil

By Prof. C. J. Lewis.

The soil plays an important part in determining the success of a new orchard, the main factors being good depth and good air drainage. Soil that is not at least four feet deep without encountering undesirable substrata, such as hard rock, coarse gravel, or cement gravel, is undesirable. Careful examination and borings should be made of both the surface and sub-surface soils. One should satisfy himself not alone as to the surface drainage, but also as to subsurface drainage, as seepage waters are often present in mountainous valleys.

Soil fertility is an important item. Too much stress is placed on mere analysis generally. It shows us whether or not the soil is deficient in certain elements, or whether they are present, but unfortunately it cannot tell us how available the plant food is in the soil. The natural character of the soil is more important than the analysis. Without good climatic conditions, success cannot be hoped for.

Pears succeed on heavier soils better than other fruit. Apples do well on a wide range of soils, from the clay loams to the silt and sandy loams. Prunes

seem to do well on any soil that is well drained; peaches, on either silt loam or well drained clay loams. Cherries succeed on the lighter clay loams, and nuts on any soil that is deep and well drained.

### Tuberculosis Eradication in B.C.

The Dominion Department of Agriculture recently made a regulation prohibiting importation into British Columbia of pure-bred cattle that had not been tested for tuberculosis. "Canadian Farm" attacked this regulation on the ground that it was unfair to legislate against pure-bred stock when grade stock could be imported without undergoing the test, and that the regulation would be a serious detriment to interprovincial trade. Mr. W. T. McDonald, Live Stock Commissioner for B. C., has sent the following open letter to "Canadian Farm," and requests that Farm and Dairy publish it as well. Mr. McDonald writes as follows:

"In the December 27th issue of 'Canadian Farm,' there appeared an editorial criticism of the new Dominion regulation relating to the tuberculosis testing of pure-bred stock received for shipment to British Columbia. The article appeared to be somewhat misleading, and the writer apparently assumes that this is the first step taken to eradicate tuberculosis from the herds of British Columbia. A brief resume of work already done would not be amiss.

#### THE FARMERS WANT IT

"The regulation in question was not recommended at the instigation of the veterinary profession of the Pacific provinces, but at the request of the farmers of the province, the Provincial Department of Agriculture began the work of eradicating bovine tuberculosis in 1909, and consistent efforts have been put forth ever since that date. The progress made has been even greater than was anticipated by the most sanguine, and it is expected that within a few months the disease will be practically eradicated. Diseased animals are slaughtered, and remuneration made to the owners to the extent of one-half of the value of the animal. The maximum valuation, however, is limited to \$75 in the case of a grade animal, and \$150 in the case of a pure-bred.

"Looking at the situation from all standpoints, we cannot believe that an unprejudiced person can see any injustice in the regulation. Surely the farmers and stockmen of British Columbia have the right to purchase healthy animals. Furthermore, we believe that, indirectly, the regulation protects the breeders in other provinces. Should a farmer of British Columbia purchase an expensive pure-bred animal and shortly after have it condemned for tuberculosis, neither he nor his neighbors would be likely to purchase another from the same source.

"We sincerely hope that in the very near future the regulation will be amended to include all animals shipped into British Columbia except those brought in for immediate slaughter.

#### ARE ALL ANIMALS TUBERCULIN?

"Quoting from the editorial, 'This regulation strikes at the very foundation of this (interprovincial) trade, and if allowed to remain in force will deal a death blow to live stock trading between the different provinces.' Surely not. We do not believe it is fair to the live stock industry of Canada to insinuate that in any part of the Dominion there are not enough animals free from tuberculosis to supply the interprovincial trade. We agree with the editor of 'Canadian Farm' that the disease is not contagious, and on this knowledge we base our belief that the

(Continued on page 15)

## HIGH HO

Two Miles

DE

FEBRU

Cattle

Holstein

Pure Bred

My her

Warre, M

in sale. T

has a rec

one day

HO

Five You

LION "M

Parties f

meet at Ch

at Cambric

free of cha

advice on p

most you r

JOHN

MOREWOOD

T. IR

"Good Luck

Poultry

grit, beef onal

etc., and all Po

advice on p

CRAMPE & B

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO

HO



**AUCTION SALE**  
OF  
**HIGH GRADE**  
**Holsteins**

Two Miles North-east of Morewood, Dundas Co., Ont.

**FEBRUARY 18th, 1913**

Cattle consist of 16 high grade Holstein Milk Cows, 3 Registered Holstein Bulls, raised by F. J. Old, 1 Pure Bred Bull Calf, 2 weeks old. My herd bull Prince De Kol Weir, 553, calved May 5, 1909, also to sale. The grand dam of this bull has a record of 94 lbs. of milk in one day.

**HORSES**

Five Young Horses, from 1 yr. to 5 yrs. old. Also my FRENCH STALLION "MAJOR" will be sold.

Parties from a distance will be met at Chesterville, on C. P. R., or at Cambridge, on N. Y. O. railroad, free of charge and returned; send advice on post-card to proprietor to meet you.

**JOHN WAGNER, Prop.**  
MOREWOOD - ONTARIO  
T. IRVIN, Auctioneer

**POULTRY YARD**

Sell Eggs By Weight

A. McNab, Ontario Co., Ont.

Legislation that would make it compulsory to sell eggs by weight in Ontario would meet with my hearty approval. A couple of days ago I went down to Ottawa to market my eggs. At the same time, as the merchant was receiving the produce of my flock of Plymouth Rocks, large brown eggs that would do any customer's heart good to see, he also received a big basket of small White Leghorn eggs, not two-thirds the size of mine. No customer would ever hesitate in choosing my eggs. But we were both paid the same price. I do not consider that this is just. That merchant, if he were to give us advice on egg production, would advise us to produce large eggs. His

**FEARED LOCKJAW**

In Badly Calked Horse—  
But Egyptian Liniment  
Saved Him

The season of icy roads and sudden heavy snowfalls, is an anxious one for horseowners, because it is so easy for a sharpshod horse to cut himself seriously when foundering in the deep snow.

A bottle of Douglas's Egyptian Liniment on hand then, may be the means of saving a valuable animal for you. It not only stops the bleeding at once, but keeps the wound clean and healthy and quickly heals it.

Read what Mr. G. P. Ashbocker, Swan Mills, N. Y., says about it: "Egyptian Liniment has made extraordinary cures for me. One of my horses got badly calked, and everyone said he would have the lockjaw. The wound gathered and broke, and there was a great hole between the hair and the hoof. I used only Egyptian Liniment and the horse's foot was soon sound and well. It made a permanent cure. In my estimation there is nothing equal to this Liniment for cuts or sores of any kind."

25c at all druggists. Free sample on request. Douglas & Co., Napanee, Ont.

**Baby Chicks**

Order your baby chicks now from our splendid laying strain of **SINGLE COMB WHITE LEGHORNS**

**Utility Poultry Farm**

T. G. DeLAMERE, Prop.  
STRATFORD - ONT.

**Seed, Grain and Potatoes**

Siberian Oats, clean and pure, 70c per bus. No. 21 barley, from hand selected seed, absolutely pure, \$1.25 per bus. Empire State, Delaware and Satisfaction Potatoes, all from selected registered seed, \$2 per bag. Cash with order, huge free. A. HUTCHINSON, MOUNT FOREST, ONT.

"Good Luck" Baby chicks' food  
Poultry mash, grit, beef scrap, ground oyster shell, etc., and all Poultry supplies. Prices as low as any other place can meet. Write CRAMPEY & KELLY, Devereux St., Toronto, Ont.

**HAWK BICYCLES**

An up-to-date High Grade Bicycle fitted with Roller Chain, New Departure Coaster Brake, and Hubs, Detachable Fives, and High grade equipment, including Mudguard, \$22.50 Pump and Tools.

Send FREE 1913 Catalogue, for 100 pages of Bicycles, Sundries, and Repair Material. You can buy your supplies from us at Wholesale Prices.

T. W. BOYD & SON,  
27 Notre Dame St., West, Montreal.



**By Dozen or By Weight**

customers always call for large eggs. If he really wants to encourage us in producing large eggs why doesn't he buy them by weight? And if the government wishes to encourage the production of large eggs why don't they make buying by weight and selling by weight compulsory?

**Why Keep Poultry**

Why should the farmer find a place for poultry on his farm?

1. Because he ought by their means to convert a great deal of the waste of his farm into money in the shape of eggs and chickens for market.
2. Because with intelligent management, they ought to be all-year revenue producers, with the exception of perhaps two months during moulting period.
3. Because poultry will yield him a quicker return for his capital investment than any of the other departments of agriculture.
4. Because the manure from the poultry house will make a valuable compost for use in either vegetable garden or orchard. The birds themselves, if allowed to run in plum or apple orchard, will destroy all injurious insect life.
5. Because while cereals and fruits can only be successfully grown in certain sections, poultry can be raised for table use or layers of eggs in all parts of the country.
6. Because poultry-raising is an employment in which the farmer's wife and daughters can engage and leave him free to attend to other departments.
7. Because it will bring the best return in the shape of new-laid eggs—during the winter season—when the farmer has most time on his hands.
8. Because to start poultry-raising on the farm requires little or no capital. Under any circumstances, with proper management, poultry can be made with little cost a valuable adjunct to the farm.

**A Fertile Farm  
A Full Harvest  
A Full Profit**

All these are possible by the liberal use of good fertilizers, the kind in available forms that will support the crop all through the growing season. Good seed and constant cultivation are necessary, and good weather means much, but without fertility no farmer can make his acres do their best. With a big demand and a good price for every farm product, why not get all there is in it?

The chemists we employ give their greatest attention to availability. They want the fertilizers they make to roll out the bushels at harvest time, and they do.



We have a number of factories, all located at convenient points, and wherever you live, we can reach you with the **right fertilizer, the right service, and the right price.** Write today for copy of "Plant Food," a practical hand book on fertility. No advertising in it; sent without cost, while this edition lasts.

**Agents wanted** in unoccupied territory. Liberal terms and goods that sell. It pays to sell our fertilizers as well as to use them. Ask for agency proposition.

**The American Agricultural Chemical Co.**

Makers of brands with fifty years of quality and results behind them.

70 Lyman St., Buffalo, N. Y.  
P. O. Box 814-F, Detroit, Mich.

**GRAND TRUNK RAILWAY SYSTEM**

**ARE YOU GOING WEST?**

The Grand Trunk Pacific Railway is the shortest and quickest route between Winnipeg, Saskatoon, Edmonton. Fast trains leave Winnipeg at:

**6.00 p.m. Daily**  
**8.45 a.m. Daily Except Sunday**

—FOR—

Portage in Prairie	Rivers
Neville	Regina
Watrous	Saskatoon
Tofield	Camrose
Wainwright	Edmonton
Smooth Roadbed	

Electric lighted sleeping cars. Superb dining car service.

Ask nearest Grand Trunk Agent for full information, literature, etc., or write A. E. Sutt, D.F.A., G.T.R., Toronto, Ont.

**The Call of The North**

Do you know of the many advantages that New Ontario will its Millions of Fertile Acres, offers to the prospective settler? Do you know that these rich agricultural lands, obtainable free and at a nominal cost, are already producing grain and vegetables second to none in the world?

For literature descriptive of this great territory, and for information as to terms, homestead regulations, settlers' rates, etc., write to

**H. A. MACDONELL,**  
Director of Colonization,  
Parliament Buildings,  
Toronto, Ontario

The Apiculture Division of the Experimental Union is not so much interested in getting new men into the business as in arousing the interest of those already keeping bees.—Morley Pettitt, Provincial Apiarist, Guelph.

**"Bumper" Barley Crops**

are easily obtained by the intelligent application and use of Nitrate.

CHILEAN

**Nitrate of Soda**

gives plants a good start, carries them along to proper development and maturity, and provides a "bumper crop."

Clean—uniform—odorless—cheap. Its results are astonishing and convincing. 100% immediately available.

Be sure and write today for our booklet—FREE.

"Fertilizers for Corn and Cereals."

Dr. WILLIAM S. MYERS  
Director Chilean Nitrate Propaganda  
17 Madison Ave., New York  
No Branch Offices

They Cost Less  
**"Clay" Gates**  
STRONGEST and best farm gate made. 80,000 sold in 1912. Can't sag, bend or break. Can be raised as shown. Good for Winter and Summer. Send for illustrated price list.  
The CANADIAN GATE CO. Ltd.  
29 Morris St., GUELPH, Ont.

and Last Longer  
**"That's the slickest engine I ever saw"**  
So remarked an agent who has handled many different makes of gasoline engines in the last twenty years. "Why," he said, "that special governor of yours would make any man want the  
**Renfrew-Standard**  
gasoline engine if he had no other reason for buying it."  
The governor that the agent spoke so enthusiastically about is, we might say, one of the principal features of the Renfrew Standard engine. It is undoubtedly the most efficient governor yet devised—immensely superior to the old fly wheel type. It controls the engine perfectly, allowing speed to be changed at will while engine is running, and automatically cutting off the supply of gasoline and electricity from batteries should engine exceed speed for which it is set. The simplicity and durability of this governor also makes the Renfrew Standard engine especially adapted to withstand rough usage.  
Other special features of the Renfrew-Standard are told about in our engine booklet. Send for a copy and learn what they are.  
**THE RENFREW MACHINERY CO., Ltd.**  
Head Office and Works: RENFREW, ONT.  
Sales Branches at Winnipeg, Man. and Sussex, N. B.  
If you want a little engine write us about the Gifford, 1 1/2 h.p. This is, we believe, the most effective and reliable little engine made.

2 1/2 to 8 h.p. Semi-Portable as illustrated: Stationary and Portable.



**"That's the slickest engine I ever saw"**

So remarked an agent who has handled many different makes of gasoline engines in the last twenty years. "Why," he said, "that special governor of yours would make any man want the

**Renfrew-Standard**

gasoline engine if he had no other reason for buying it."

The governor that the agent spoke so enthusiastically about is, we might say, one of the principal features of the Renfrew Standard engine. It is undoubtedly the most efficient governor yet devised—immensely superior to the old fly wheel type. It controls the engine perfectly, allowing speed to be changed at will while engine is running, and automatically cutting off the supply of gasoline and electricity from batteries should engine exceed speed for which it is set. The simplicity and durability of this governor also makes the Renfrew Standard engine especially adapted to withstand rough usage.

Other special features of the Renfrew-Standard are told about in our engine booklet. Send for a copy and learn what they are.

**THE RENFREW MACHINERY CO., Ltd.**  
Head Office and Works: RENFREW, ONT.  
Sales Branches at Winnipeg, Man. and Sussex, N. B.  
If you want a little engine write us about the Gifford, 1 1/2 h.p. This is, we believe, the most effective and reliable little engine made.

**Say** "I saw your ad. in Farm and Dairy" when you write Advertisers. Then you get full benefit of our absolute Guarantee.

**Banner Year for the Holstein**

(Continued from page 7)

last May. At a comparatively small cost the office has been furnished with some badly-needed equipment in the way of filing cabinets, bookcases, desks, tables, etc., that seemed absolutely essential to prompt and accurate service. Since June last breeders' applications have seldom been delayed in the office more than one or two days, unless there were mistakes which entailed correspondence.

"Some 30,000 original applications for registry have been sorted over and arranged in numerical order in cabinets suitable for their preservation, and convenient of access for reference. A more modern system of book-keeping has been installed which will with a few minutes' work, enable us to give at the close of any day, week or month, an exact statement of our receipts and expenditures, as well as the details of all the work of registration, transfer, etc. The auditing of our accounts will also be considerably simplified.

**DETAILED REPORT OF REGISTRATIONS Total number of animals registered in 1912-13**

Registry of animals under one year (members) .....	6704
Registry of animals under one year (non-members) .....	6376
Registry of animals over one year (members) .....	958
Registry of animals over one year (non-members) .....	919
Re-registry of Canadian-bred animals from A. H. B. ....	11
Registry of animals from New Brunswick H.B. (free) .....	5
Duplicate certificates of registry .....	59
Certificates on new form .....	21
Import certificates, bulls .....	21
Import certificates, cows .....	67
Total transfers for year .....	6766
Transfers (members) .....	6236
Transfers (non-members) .....	1260
Transfers (penalty fee) .....	792
Duplicate certificates of transfer .....	16
Registration of farm names .....	27

The report of the auditors, Messrs. B. Mallory and A. C. Hallman, was as follows:

<b>Receipts</b>	
Balance on hand from 1911 .....	\$ 2,039.04
Registry and transfer fees .....	11,961.85
Membership fees .....	1,250.00
Annual dues .....	1,548.60
Books sold .....	27.75
Overpayments .....	200.90
Interest on bank account .....	34.24
Interest on Kenora bonds .....	440.00
Interest on farm bonds .....	200.00
	<b>\$17,361.78</b>
<b>Disbursements</b>	
Printing accounts .....	\$ 3,450.00
Record of Merit Prizes .....	100.00
Grants to Fairs .....	1,000.00
Salaries, Sec.-Treas. and Auditors .....	1,500.00
Publications .....	200.00
Postage .....	110.35
Expenses Officers and Delegates .....	110.35
Refunds .....	300.90
Office furniture and supplies .....	371.87
Expenses, Branch Auditors .....	269.00
Travelling outfit for Pres. Dean .....	89.50
Banquet expenses .....	89.60
Sundries .....	165.42
	<b>\$11,820.89</b>
Balance on hand .....	6,149.89
	<b>\$17,361.78</b>
<b>Assets</b>	
Balance on hand .....	\$ 6,149.89
Kenora bonds .....	517.25
Farm bonds .....	3,965.75
Safe S.A. Typewriters \$125 .....	156.00
Office equipment .....	370.00
Herd books (400) .....	600.00
	<b>\$15,608.93</b>

There are no liabilities. The reading of the report was followed by hearty applause.

**GRANTS TO FAIRS**  
The following grants were made to fairs: Toronto, \$500, (provided that the Fair Board duplicates the grant as in former years), the Association's grant to be paid or withheld at the (Continued on page 13)

**Pioneer Farm Seed Potatoes**

Guaranteed free from disease, including late blight, the Irish Cobber, Delaware, Early Rose and Beauty Hebron are among my supply. \$1.25 per 25 lbs. boxes, with package free. When possible I will ship in barrels to avoid handling. I will this spring deliver, free-aid to any express office in Ont. or Que. a crate of Potato Sets (any of above varieties) all ready for planting, about 25 lbs. net for \$1.00. Cash with order.

H. Gordon Smith, Union, Ont. says the seed he got from me, planted side by side with his own, yielded 100 lbs. per acre more than he would seed. Think this over and let me supply you.

C. FRED FAWCETT  
Upper Sackville - N. B.

**Creamery For Sale**

Creamery, running summer and winter. Very large make. Everything in first-class order. Large house. Good ice house and refrigerator. Large stable with sheds and other buildings. 6 acres good land. Close to town and station. All ready for sale. The best dairy district in Ontario. Write NELSON SCHATZ, - BADEN, ONT.

**Seed Grain**

Clover Seed, Alfalfa, Oats, etc. Seed Potatoes. We have also sell. Write for prices and quotations. Eight years at the factory assured.  
CRAMPEY & KELLY, DUFFERIN ST., TORONTO, ONT.

**Work Wanted**

Man, single, 53, capable taking charge of farm or position with practical farming. Duty to commence April 1st. Total abstinence. Alberta homestead districts preferred. Write to  
F. W. MITCHELL, 163 QUEEN'S ST. SO. BERLIN, ONT.

**WANTED**

Man, experienced in land clearing, and preferably in dairying, to develop New Ontario farm, one mile from Englehart. Good wages and additional future opportunity to the man who can produce result. None other party apply. Address with full statement of experience, with references.  
R. RICHARDS, 25 RECLID AVE., OTTAWA

**PODS THAT FEED THE FODD**  
THAT FEED THE FODD  
TRADE MARK  
**DAVIES** MARK  
PODS FERTILIZERS PODS  
The mark of quality. Write for booklet THE WORK OF DAVIES TO YOU.  
**THE MARK OF DAVIES CO., LTD.**  
Commercial Fert. Dept.  
West Toronto - Ontario

**95 AND UPWARD**  
**AMERICAN SEPARATOR**  
THIS OFFER IS NO CATCH. It is a solid proposition to send us trial, fully guaranteed, a new, well made dry running separator for \$15.00. Same cost a new, milk, mixing heavy or light cream. Durable, best and gives families, the best and most capacity machines. The best in its class. Send for literature. Statements made recently from **TORONTO, ONT. and ST. CATHARINES, ONT.** and your dairy is large or small, some free milking. Address: **AMERICAN SEPARATOR CO., BAINBRIDGE, N.Y.**



Febru  
B  
T  
poor,  
This r  
rate of  
and d  
an ap  
Ba  
and Q  
tons pe  
the Ol  
ask th  
any fa  
apply  
becom  
and br  
suppl  
Un  
your r  
Mal  
merit  
partic  
of ba  
TH  
Or to  
For E  
CALVES  
Steele, Bridg  
MA  
\$5  
Why  
W  
Grin  
F  
April,  
on ex  
purch  
take p  
sell to  
of tre  
sized

# BASIC SLAG

**RENOVATES OLD  
WORN OUT PASTURES  
WITHOUT RE-SEEDING**

**T**HERE are thousands of farmers in Ontario whose pastures have been worn out by the continued grazing of dairy stock. Such lands have been drained of fertility and now grow only poor, worthless vegetation. Clover has entirely disappeared. This need not continue. A dressing of Basic Slag applied broad cast at the rate of 1,000 lbs. per acre will bring such pastures back into good heart and double or treble their capacity for stock carrying. The effect of such an application should be apparent for four or five years.

Basic Slag is being used in thousands of tons in the Maritime Provinces and Quebec, and the consumption in Europe amounts to over two million tons per annum. It is therefore no untried fertilizer. Every farmer from the Old Country knows about Basic Slag, but for your own satisfaction ask the Dept. of Agriculture Instructor for your district, or the editor of any farming journal as to its merits. Basic Slag is the ideal fertilizer to apply to stiff clay lands, to wet marshy fields and to all soils which have become sour. If you have any such pasture buy one ton of Basic Slag and broad cast same over two acres, applying it at the earliest opportunity—the sooner the better.

Until our selling arrangements in Ontario are completed, you can be supplied direct from the factory at \$20.00 per ton, freight prepaid to your nearest station—cash with order.

Make this experiment and you will feel grateful to us for bringing the merits of Basic Slag under your notice. An interesting pamphlet, giving particulars of the results obtained by leading agriculturists from the use of Basic Slag will be forwarded by post on application to

**THE CROSS FERTILIZER CO., Ltd.**  
SYDNEY, N. S.

Or to their Sales Agents:

For Western Ontario, MR. A. E. WARR, Wanstead  
For Eastern Ontario, Mr. A. L. SMITH, 220 Alfred St., Kingston

## The Farmer's Plaster

Every Farmer should be familiar with  
**PULPSTONE**  
Wood - Fibre  
Wall Plaster

**I**T is the strongest, warmest, and most durable of all plastering materials. It is made from Gypsum Cement and wood fibre.

PULPSTONE is ready for use as soon as mixed with water—nothing to add—simply mix and apply—**ONE COAT ONLY**—and it is the only Wall Plaster you can use yourself.

It sets in about three hours and is finished! You have a wall ten times as strong as lime mortar, and twice as warm.

Pulpstone can be used outside by adding 10% portland cement. It is suitable for the exterior or interior of

**Homes, Poultry Houses, Silos  
Barns, Outhouses, etc.**

*A postal will bring full information if addressed to*

**THE ALABASTINE COMPANY, Ltd.**  
PARIS, ONTARIO

**CALVES RAISE THEM WITHOUT MILK**  
Booklet Free  
Steel, Briggs Seed Co., Ltd., Toronto, Ont.



**YOUNG MEN WANTED to learn**  
VETERINARY profession. Catalogue free. Good Rapids Veterinary College, Des. 16, Grand Rapids, Mich.

**MAPLE SYRUP  
MAKERS**

**ENTER THIS CONTEST**  
**\$500 IN GOLD CASH PRIZES**



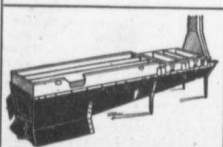
CUT OUT THIS COUPON

**Why not be a WINNER in this Contest?**

We are giving away \$500 in Gold Cash Prizes to users of the Grimm "Champion" Evaporator.

Full particulars will be mailed on receipt of above coupon.

The competition will take place during the last two weeks of April, and the samples of syrup and sugar received will be placed on exhibit in the show windows of the "Montreal Star." Every purchaser and user of the Grimm "Champion" Evaporator may take part in this contest. **Now is the time to properly equip yourself to make high grade syrup and sugar—high priced and therefore profitable.** Do it now before the sap runs. State the number of trees you will tap and we will give you a price on a suitably sized outfit.



Address all enquiries to:

**PRIZE CONTEST:**  
**GRIMM MFG. CO., LIMITED**  
58-58 Wellington Street  
MONTREAL  
(Don't Forget Coupon)

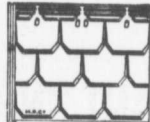
## Eastlake Metallic Shingles

**The Originators of Steel Shingles in Canada.**

The Metallic Roofing Co., of Toronto and Winnipeg, are the originators of the steel shingle business in Canada, and were manufacturing years before any other manufacturers commenced making them.

We did not start manufacturing until we had spent thousands of dollars in experimenting, and produced what we thought to be, and has proved to be, a perfect shingle.

This shingle was named 'EASTLAKE,' and was put on the market over a quarter of a century ago.



'EASTLAKE' Metallic Shingles were laid on roofs over a quarter of a century ago, and are on those same roofs to-day as good as new, with practically no cost for repairs.

The "EASTLAKE" SHINGLE of then, is the "EASTLAKE" SHINGLE of to-day, and will serve you as well as it has served these customers for over twenty-five years.

We can honestly claim by actual proof and test of service that no other shingles have been introduced that will equal "EASTLAKE."

Let us know your roofing problem and we will help you find a solution. It will cost you nothing and it will be a pleasure to us.

Investigation is worth while. It pays to know.

*Write for our free booklet to-day.*

655

**THE METALLIC ROOFING CO. LIMITED**  
MANUFACTURERS TORONTO & WINNIPEG

**To Breeders of Pure Bred Cattle**

Situation wanted an **MANAGER** of pure-bred Holstein cattle only. Has 20 years' experience. Unmarried. Temperate, industrious. Reference given. Address: **LOUIS BROWN, Vernon, B. C.** care of Arthur Stephenson, better known as A. J. Stephenson.

**FERTILIZERS**

For information regarding all kinds of mixed and un-mixed fertilizers of the highest grade write **THE WILLIAM DAVIES CO., LTD.** West Toronto - Ontario

**Seed Corn, Barley, Oats**

**FOR SALE**  
High Grade Seed of Improved Leaming Corn, Newmarket Oats and Pedigreed, hand-selected stock, and O.A.C. No. 21 Barley. Satisfaction assured. Write for samples and prices to **W. A. BARNET, Mgr., Gov. Exp. Farm, Harrow, Essex Co., Ont.**

**SEED CORN THAT WILL GROW**

**FOR SALE**  
Send for Prices. **P. D. CAMPBELL, AMHERSTBURG, ESSEX CO., ONT.**

**Jersey Cattle Interests Progressing**

Jersey cattle interests are sharing in the progress that characterizes all phases of the dairy industry. About 30 admirers of this breed gathered at their annual meeting in Toronto on Feb. 7th. The report of the secretary, Mr. R. Reid, of Berlin, Ont., showed that registrations in 1912 numbered 850, as against 715 in 1911. The financial statement showed a balance on hand of \$1,669.14 as compared with \$1,641.15 a year ago. The first volume of the Canadian Jersey Herd Book is now in the hands of the printers.

Jersey men feel that their breed does not get a fair show, in that while their speciality is the production of high testing milk, the superior quality of their product does not receive the price consideration that it deserves. In the case of milk for city consumption the present standard demanded in Toronto is largely over three per cent, while the milk from the Jersey will test anywhere from four to six per cent. The members believe that if city milk were paid for on quality it would be a decided boost for their breed. A deputation consisting of R. J. Fleming and W. N. McCulloch, Toronto; Robert McCulloch, Snelgrove, and F. L. Green, Greenwood, was appointed to interview the authorities of the Provincial Legislature with a view to raising the standard for city consumption.

**CHANGE R.O.P. STANDARDS**  
A resolution was drafted asking for a meeting of representatives of the various dairy breeds to re-arrange the rules governing Record of Performance. A committee appointed to see to the carrying out of this resolution consisted of B. A. Bull, J. McCulloch, Jas. Bagges and

R. Reid. Among other things Jersey men believe that no cow should be registered in National Record of Performance unless she gives milk testing up to three per cent fat, the amount required by the commercial trade.

The Board of Directors of the Provincial Winter Fair at Guelph came in for criticism. The cutting down of the number of points allowed for butter fat and the increase in the number allotted for volume of milk production, was objectionable to many, making as it does for lower quality of milk. The interest that the members take in the advancement of their breed was well illustrated when, in connection with dairy test work, the Association decided to give \$25 to the cow that won the championship at the next Provincial Winter Fair.

**Tricks of Horse Traders**

The operations of that most reprehensible of professions, the horse "dealer," have left thousands of us sadder but wiser. Had we been informed on even the simplest of the dealers' "tricks" we would be today decidedly more "in pocket." The Ontario Dairy is going to lay bare to its readers all of the common deceptions practiced by the horse dealing fraternity. In the next Dairy issue Dr. J. Hugo Reed, Professor of Veterinary Science at the Ontario Agricultural College, commences the first of a series of articles exposing these tricks of horse traders. Dr. Reed's first article deals with one of the most common frauds—Plugging a Roarer. Watch for these articles. Tell your friends about them.

**BEATS ALL PRICES** **THE FENCE MAN** **GUARANTEES HIS GOODS**  
Dyer's "Buy Fence NOW—Prices are Cut—Don't wait and be caught by the Spring Rush and Advanced Prices."

Freight paid south of North Bay. To points in New Ontario (east and west of North Bay) and Quebec, add 5c Maritime Prov. 4c. A.L.L. NUMBER 9 Teloop open hearth steel heavily galvanized (weary wire), 9 strays to 10 in. can shade even these prices in car lots; 2,500 to 3,000 rods make a car big. **DYER'S Gates--Bargain Prices**



A strong, rigid, well built gate. Frames of high grade steel tubing solidly welded together. Heavy No. 9 galvanized railing. Strongly braided—no sag—no break. Prices: Gates: Frames, black enamel painted, 4 or 4 1/2 feet high, hinges and latch complete, freight paid south of North Bay. Add 5c per gate for delivery in Quebec or New Ontario. Add 40c for Maritime points.  
12ft. wide 12ft. wide 12ft. wide 14ft. wide  
\$3.60 \$3.90 \$4.00 \$4.25  
Galvanized frames, 25c extra. Freight paid if ordered with fencing or in lots of three or more.

**DYER, The Fence Man, Dept. L., TORONTO**

**FOR SALE AND WANT ADVERTISING**

WANTED—Experienced Cheese Maker as first hand. Burgessville Cheese and Butter Factory.

**FOR SALE**

A quantity of best Italian cheese, pure and guaranteed free from disease. Apply to **MRS. M. MORRISON, c. ELMVILLE, ONT.**

**THE CO-OPERATIVE FARM AND FEED CO.**  
Temporary Offices: 33 Castle Bldg., Ottawa

**IMPORTANT INFORMATION FOR FARMERS' CLUBS**

This Company has been organized to cater especially for the needs of Farmers' Clubs, in providing for them at absolutely the lowest prices the retailers can obtain direct from the mills

**ALL LINES OF FLOUR AND FEED**

By communicating with the Secretary of the above Company, complete information and plans regarding this co-operative selling organization will be furnished. Our services are also at the disposal of farmers in unorganized districts in establishing Farmers' Clubs

provided this is a Jersey. Mr. Geo. Laithwaite of Goderich, immediately upon our decision to raise the \$25 out of my own pocket for the best Jersey." This announcement was received with hearty applause, but no sooner had the applause died away than Mr. A. Reid of Berlin roared and said: "I will give \$50." Such is the spirit of the Jersey men.

On motion of Mr. B. A. Bull it was unanimously decided to raise the membership fees and registration charges of the club, the membership fees being increased to \$2, and the registration fees for non-members to \$2 for animals under two years, and \$3 for animals over two years. Animals belonging to members are to be registered at half price.

The club decided to give \$25 to the leading cow in the four classes competing in the record of performance test.

Mr. David Duncan of Don, was re-elected president of the Club, and the other officers were elected as follows: Directors: Messrs. R. J. Fleming, F. L. Green, H. A. Dolson, Ernest Duncan and B. A. Bull. Vice-Presidents for the various provinces, Messrs. O. Hall of Berlin, W. H. Edwards, Quebec; S. J. Lyon, Ontario; H. S. Pipes, Maritime Provinces, and W. V. Edwards.

Mr. R. Reid, of Berlin, Secretary of the club, tendered his resignation and will shortly leave for the Old Country.

Mr. H. S. Pipes presided at the meeting, owing to the absence of President David Duncan, on account of illness.

The following were recommended to judge Jersey cattle exhibited at the various shows: Canadian National Exhibition, Prof. Van Pelst, of Wataseko, Iowa; London Fair, Prof. Archibald, of Ottawa, and E. Silcox; Winnipeg Exhibition, J. L. Clark; Regina Fair, Prof. Hutton.

**Bann**

(C) discretion of Mess (let); S. wa. \$110 per. Br. Calgary ver and Frederic and Hal town, P. The Thos. tion at mals im from Com mended secretary to the se exhibition used as

**IF A**

What every her A. B. Post price \$300,000 way—farm as much

ment. D. stracted by Canadian secretary of tion with

The exco mended this

was Winter three speci mature four old classes ship prize the highest pure bred that the grater Fair at with a spee age, and a of \$50 addi standing it Holstein F grants were

The prop dairy show. Indian Dairy endorsed by \$450 (inclu Dominion C tion) to suc such a fair will be give Fair. The tion with were left in consisting of and Hulet.

It was dec held at gina, Calgary Victo. New town, Sherb give a grant for Holsteins The salary fic help was year.

**Banner Year for the Holstein**

(Continued from page 10)

discretion of a committee consisting of Messrs. Haley, Rettie and Hulet; Sherbrooke, London and Ottawa, \$150 each; Quebec, \$100; Winnipeg, Brandon, Regina, Saskatoon, Calgary, Edmonton, Victoria, Vancouver and New Westminster, \$125 each; Fredericton, N.B., Chatham, N.B., and Halifax, \$75 each; Charlottetown, P.E.I., \$50.

The secretary read a letter from Thos. Bradshaw, asking the Association to make a grant to the exhibition at Bloomfontein S. A., for animals imported from Canada or bred from Canadian stock, and it was recommended by the executive that the secretary be authorized to cable \$50 to the secretary of the Bloomfontein exhibition (to be held in March) to be used as Mr. Bradshaw may recom-

The committee consisting of Messrs. Rettie and Flett, appointed at the last annual meeting to investigate the advantages, if any, that might accrue to the Association from joining the National Live Stock Records, reported to the effect that even after the Government had paid one-half the expense of the Record Office, the cost of registration at that office was still greater than with the Holstein-Friesian Association. It was decided not to unite with the National Live Stock Records.

A communication from the Quebec Branch of the Association was read, making the following recommendations:

That the next convention of the Association be held in Montreal or at Macdonald College, Quebec, the College having consented to entertain the Association.

Objecting to any increase in fees:

That the reciprocal arrangements with the American Association be furthered and a committee appointed to consider the matter with a committee of the United States Association for the arrangement of details that will be mutually advantageous.

That for the purpose of allowing a more general expression of the wishes of the members of the association scattered all over Canada that at the annual meeting voting by proxy be introduced. Time did not permit of these recommendations being discussed.

It was decided that the prizes for official tests in the Record of Merit would be paid on the same basis as last year.

**Success with Live Stock**

By W. J. Kennedy.

There always has been, and I believe there always will be, in our agriculture, a place for each and every class of live stock. We must have horses, beef cattle, dairy cattle, sheep and swine. The man who breeds the right kind of animals of any one of these above mentioned classes will always find his work both useful to the community and profitable from his own standpoint. We need them all in our farming operations. Some men will succeed with one class of stock and make a failure with another and vice-versa.

The real secret of success in any line of work depends a great deal upon the amount of individual attention given it. The amount of enthusiasm and interest which any particular individual will give to any line of work will always be governed very largely by his own likes or dislikes for the same. This being true each man had best select and breed the class of stock which appeals to him most strongly. Where such a system is adopted success usually follows.

Regular good care counts for everything in maintaining a good healthy growth in the young stock. Do not forget this in the rush of work.

Farming is just what you make it. Lots of people make it drudgery by the attitude of mind, rather than the amount of work they do.

SEEDS

HAMILTON CANADA

SEEDS

BRUCE'S SEEDS SATISFY FREE

Write at once for our 112-page handsomely illustrated Catalogue of Seeds, Plants, Bulbs, Implements, and Poultry Supplies, etc. ESTABLISHED 1860

**FOR SALE AND WANT ADVERTISING**

TWO CENTS A WORD, CASH WITH ORDER

FOR SALE—Iron Pipe, Pullers, Belling, Sledge, Chain Wire Pounding, Iron Pumps etc., all sizes, very cheap. Send for list, stating what you want.—The Imperial Valve and Fetal Co., Dept. F.D., Queen Street Montreal

**Corn That Will Grow**

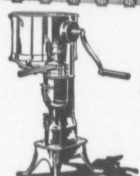
Money back if not satisfied  
Send for Price List  
**J. O. DUKE, RUTHVEN, Ont.**

**O.A.C. No. 21 Barley**  
90c a bu.

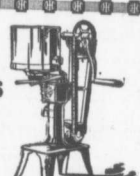
Choice Plum Seed, carefully threshed and not scoured. Grow this barley and you'll make money money. Heavy yielding, still. Big straw easier to harvest. For early buyers, only 90 cents a bushel. F.O.B. Best cotton bags 25 cents extra.  
**H. R. NIXON, ST. GEORGE, ONT.**

**WANTED Two Experienced HERDSMEN**

For Eastern Ontario, to take charge of important dairy herds.  
Wages for head herdsman to start at \$65.00 per month, with house. For assistant herdsman, \$45.00 per month, without house. Farms conveniently located to city, and living conditions attractive.  
For further information apply Box R, Farm and Dairy, Peterboro, Ont.



8500  
Revolutions  
Per  
Minute



THAT is the wonderful speed at which an IHC separator bowl turns. The rim of a six-inch bowl, running at separating speed, is traveling at the rate of nearly two and a half miles a minute, faster than the swiftest express train that ever ran. Such speed as this means strain on shafts, bearings, gears, frame, in every part of a separator, such strain as can only be rendered harmless by the nicest adjustment of strength, flexibility, and quality of material and workmanship. The business do this it must be made mechanically right, or it soon ceases to be useful as a separator. The machine that meets these conditions and sells at the right price is an

I H C Cream Separator  
Bluebell or Dairymaid

I H C separators have that carefulness of adjustment and balancing of moving parts which make for durability and easy running. There are points in the construction of I H C separators, such as the heavy phosphor bronze bushings, trouble-proof neck bearing, cut-away wings, dirt and milk-proof spiral gears, etc., which make I H C separators, beyond any doubt, the best of all to buy. There are four convenient sizes of each style. Ask the I H C local agent for demonstration. Get catalogue and full information from him or write the nearest branch house.

CANADIAN BRANCH HOUSES

**International Harvester Company of America**  
(Incorporated)

At Brandon, Calgary, Edmonton, Estevan, Hamilton, Lethbridge, London, Montreal, N. Battleford, Regina, Swift Current, Winnipeg, Saskatoon, St. John, Winnipeg, Yorkton



**If All Dairy Herds Were as Good as This One?**

What would be the value of the dairy industry in Canada if every herd in the country were as productive as that of P. Foster, of Prince Edward Co., Ont. here illustrated? \$300,000,000 a year, instead of \$100,000,000. Or putting it in another way—farmers could keep one-third as many cows and still make as much money—or more. Such is the value of having a productive herd.

The secretary was also instructed by the executive to prepare a letter outlining the good qualities of Canadian Holsteins, to be sent to the secretary of the Bloomfontein exhibition with other available literature.

**WINTER FAIRS**

The executive committee recommended that the grants to the Ottawa Winter Fair should be \$375, with three fair prizes of \$25 each in the mature four year old and three year old classes, with a grand championship prize of \$50 additional in case the highest standing is taken by a pure bred Holstein Friesian; and that the grant to the Maritime Winter Fair at Amherst, N. S., be \$290, with a special prize of \$35 for each age, and a grand championship prize of \$50 additional in case the highest standing is taken by a registered Holstein Friesian. The foregoing grants were made.

**DAIRY SHOW ENDORSED**

The proposal to hold a provincial dairy show on the lines of the National Dairy Show in Chicago, was endorsed by the giving of a grant of \$450 (including \$150 voted to the Dominion Cattle Breeders' Association) to such a fair. In the event of such a fair not being held the grant will be given to the Ottawa Winter Fair. The arrangements in connection with the giving of this grant were left in the hands of a committee consisting of Messrs. Rettie, Haley and Hulet.

**DAIRY TESTS**

It was decided in case dairy tests are held at Winnipeg, Brandon, Regina, Calgary, Edmonton, Red Deer, Victoria, New Westminster, Charlottetown, Sherbrooke and Woodstock, to give a grant of \$25 towards the class for Holsteins at each fair.

The salary of the secretary and office help was increased to \$2,050 a year.

# FARM AND DAIRY

## AND RURAL HOME

Published by the Rural Publishing Company, Limited.

**L. FARM AND DAIRY** is published every Thursday. It is the official organ of the British Columbia, Western and Eastern Canada and Bedford District, Quebec, Dairyman's Association, and of the Canadian Dominion Cattle Breeders' Association.

**1. SUBSCRIPTION PRICE.** \$10 a year. Great Britain, \$130 a year. For all countries, except Canada and Great Britain, add 50c for postage. Portions of the circulation of subscriptions are sent to all subscribers, who then continue to receive the paper until they send notice of discontinuation. No subscription is continued for more than one year after date of expiration. A year's subscription fee for a club of two new subscribers.

**2. REMITTANCES** should be made by Post Office or Money Order, or Registered Letter. Postage stamps accepted for amounts less than \$5.00. On all checks add 10 cents for exchange fee required at the bank.

**3. CHANGE OF ADDRESS.**—When a change of address is required, both the old and new addresses must be given.

**4. ADVERTISING RATES** quoted on application. Copy received up to the Friday preceding the following week's issue.

**5. WE INVITE FARMERS** to write us on any agricultural topic. We are always pleased to receive practical articles.

**CIRCULATION STATEMENT**  
The paid subscriptions to Farm and Dairy exceed 14,000, showing a continual increase of each issue, including copies of the paper sent subscribers who are but slightly in arrears, and sample copies, varies from 15,875 to 17,300 copies. No subscriptions are accepted at less than the full subscription rates.

Sworn detailed statements of the circulation of the paper showing its distribution by counties and provinces, will be mailed free on request.

### OUR GUARANTEE

We guarantee that every advertiser in this issue is reliable and is able to do this because the advertising columns of Farm and Dairy are strictly edited as the reading columns, and because to protect our readers, we turn away all unscrupulous advertisers. Should any advertiser herein deal dishonestly with you as one of our paid-in-advance subscribers, we will refund the amount of your loss, provided such transaction occurs within one month of the date of this issue, that it is reported to us within a week of its occurrence, and that we find it to be an advertiser in Farm and Dairy. Friends should not ply their trade at the expense of our readers who are our readers through its medium of these columns; but we shall not attempt to adjust trifling disputes between subscribers and honorable business men who advertise, nor pay the debts of honest bankrupts.

## FARM AND DAIRY

### PETERBORO, ONT.

### ALREADY A SUCCESS

If Parcels Post does nothing else than compel express companies to give fair treatment to the public, it will have accomplished a great service. This it is already doing in the United States where it has been in operation since New Year's Day. The farm press of the United States, which did splendid work in securing the Parcels Post system, are just as keen in watching the system in operation as they were in fighting for its institution. Here are some proofs of the success of the system as instanced in two United States farm papers:

The "Farmers Review" of Chicago tells us in a recent issue that the total number of parcels post stamps printed and distributed up to January 22nd was 339,500,000, with a total value exceeding \$18,000,000. The Federal Bureau of engraving and printing is being forced, in order to

meet the demand, to print the stamps at the rate of 12,000,000 a day. The "Review" further tells us that the express companies are already announcing decided decreases in express rates and that express patrons have already benefited from the lowering of the rates, although not to the extent that they will when the proposed old rates are considered, and in many cases parcels will be carried by express cheaper than by mail.

The "Western Farmer" gives an instance of how Parcels Post benefited one individual farmer. A fruit grower at San Diego, California, advised the Post Office Department that he proposed to ship two car loads of prunes by Parcels Post. He expected to ship in eight pound boxes. The express rate was held steady at ninety cents a box. The express company heard of this letter and the day after Christmas reduced their rates to thirty-six cents a box.

We in Canada would benefit equally through parcels post. Our farmers' organizations and almost all of the farm press are now in the fight for its enactment. When the rank and file of our farmers let their members at Ottawa know that they, too, favor a parcels post system for Canada, we will soon get it.

### THE C. P.'S ECONOMIC POINT

The Canadian Pacific Railroad announces that hereafter its lands will be sold to actual settlers only. The Canadian Pacific is not an altruistic corporation, so its reason for barring speculators is a strictly business one. Speculators do not bring any traffic to railroads and they prevent others from bringing traffic. Only land users bring business.

It is a pity that all business concerns do not see as clearly as the Canadian Pacific. Every vacant lot in the cities and every unused piece of valuable land anywhere means business kept away. If business men, farmers and borers generally realized that fact, they would not tolerate a system which makes it profitable to hold valuable land out of use.

The policy of the Canadian Pacific will not only bring it more business, but it will bring an unearned profit also.

There is one strip of land which it will not sell either to settlers or anyone else. The strip of land, reaching across the continent, on which its rails are laid will increase enormously in value. Every new settler will help to create unearned increment for it. This will be the case even if it does not spend a dollar for new improvements. The labor of settlers will enable Canadian Pacific stockholders to live in luxurious idleness.

If the people of Canada are wise, they will put a stop to the absorption of unearned increment by railroad monopolies as well as by the little monopolists whom the railroads seem to dislike. To do this, they need but decree that the values created by the public shall go to the public. This should not be a diffi-

cult matter in Canada, where in the western provinces a beginning has already been made at applying the single tax. It is only necessary to extend the system so that it will be the sole method of raising revenue for all Dominion, provincial, and local purposes. The farmers' organizations of Canada have already endorsed the policy of direct taxation for all purposes.

Between different varieties of grains there may be a difference in yield of ten to fifteen bushels an acre under exactly the same

**The Best Variety.** conditions. Between the best varieties the differences in yields

are so small that we are apt to consider them negligible. For instance, the two best oats tested by the Experimental Union in Ontario last year were the Siberian and Regent-erend Abundance. The difference in yield of these two varieties is only about three bushels an acre. But if this amount could be added to every acre of oats grown in Ontario last year it would have meant an increased crop of over nine million bushels. To the farmer with thirty acres of oats it would have meant a difference of ninety bushels or over thirty dollars. The seed of the one is as cheap as the seed of the other. It can be secured as easily and requires no more care in seeding. The difference in yield may look small; but why not have the best?

The experienced farm laborer, especially the one who is skilled in the management of live stock, is deserving of wages commensurate with his skill.

**Experienced Assistance.** Many farmers, however, do not seem to recognize this fact, and when a man's wages get to a certain point, they will not go higher. An editor of Farm and Dairy recently was talking with an Eastern Ontario Holstein breeder who makes a practice of getting rid of a man as soon as he wants more than twenty-eight dollars a month and board. His former man, a Scotchman with much experience in the handling of live stock, had had full charge of his Holstein herd. His successor, Canadian born by the way, had practically no experience, but he was willing to work for \$25 a month. The new man had not been on duty a week until all of the best cows in the herd were off feed and the damage that he did in his first month would have paid the extra wages demanded by the experienced feeder for a couple of years. If we would have experienced farm help we must pay the price that experience demands.

"A bad cold" is a common complaint nowadays, and many people seem to believe that "colds" at this season are as inevitable as winter.

**Those "Colds."** able as the winter itself. Such people would hardly believe us did we tell them that "colds" are

**THE REAL GOVERNING BODY**  
The Congressional Committee investigating the money trust in the United States found that by a system of interlocking directorates 180 men controlled \$25,325,000,000 of the nation's wealth. In Canada the number of money kings is much smaller and their power is relatively much more absolute. The banks, the railways and the syndicated manufacturers constitute the real governing body of this country. Their chief work consists in handing themselves fresh favors, privileges and bounties under cover of our democratic institutions, with a set of timid or green-backed politicians and a party-blinded press making no protest against the ceaseless robbing of the common people.—Grain Growers' Guide.

not purely a winter malady, but are as liable to attack one in warm weather as in cold. They would refute such an idea by telling us that they have had a cold every winter since they could remember, but never one in summer. The reason for this, however, is not far to seek. The germs that are the cause of the common "cold" are most virulent in a warm, stuffy atmosphere. In winter we shut up our houses closely in order to keep warm. We produce the very conditions in which these germs thrive best. This is particularly true of the sleeping chambers. Did everyone sleep with the window as wide open in winter as they do in summer and see to it that the rest of the house, too, is well aired, there would not be so many now complaining of bad "colds." Try it for the balance of the winter.

We believe that money invested in pure bred stock is money well invested. But at the same time we would like to sound a

**A Note of Warning.** experienced men who are thinking of investing in pure bred dairy cattle. We recently received a letter from a British Columbia subscriber telling us that he had been reading articles in Farm and Dairy on the profits to be had from pure bred cattle and that he was thinking of investing a couple of thousand dollars in a few good animals. He further told us that he had had no previous experience in handling pure bred dairy cattle and very little experience in handling heavy producing cows of any kind. This man might make good in his venture, but we would not consider it advisable for him to make such a large initial investment with so little knowledge of the handling of the cattle when he gets them. One might have to pay too dearly for experience gained under such conditions. We would advise inexperienced dairymen to get into pure bred stock gradually, first buying a pure bred sire and then add a female or two and making this small foundation pay for the additional pure blood incorporated in the herd. If a dairyman is content to start gradually, he will soon know himself whether further investment in pure bred animals is advisable in his case or not.

"Just to  
is money  
come." S  
Farm and  
been augu  
annual bu  
full of ide  
of profit  
see that I  
you bette  
common  
stock.  
With Pou  
ple and su

**Parce**  
The inte  
system in  
sted at in

Which  
large adv  
smaller o  
Both a  
their plac  
The lar  
command  
to be see  
it makes  
is sure to  
True, it  
And it is  
is be forg  
But the  
the large  
that make  
like unto  
pared to a  
er shot, a  
bigger gam  
The sm  
the small  
lacks the  
can hardly  
down the  
Of our  
The small  
it is a very  
often the  
smaller ad  
escent impo  
the larger  
membrance  
its own in  
Recall th  
larger ads.  
have made  
in this iss  
compariso  
Keep in  
are not al  
Advert  
think of m  
stock often  
tishment to  
Last we  
R. Malloy  
a Holstein  
his recent  
ing ad. In  
him sales  
and more  
fill.

Be not  
not the on  
have the rig  
Then have  
—a guaran  
sible, like  
"A Paper

"Just teach us farmers that there is money in poultry—the rest will come." Surely, read reader of this Farm and Dairy paper, you have been taught in our great Fifth Annual Poultry Number! It is packed full of ideas, tried and true, and full of profitableness for you. Taste and see that Poultry, bar none, will pay you better than any other of the common lines of domesticated farm stock. It's for you to try and do. With Poultry the reward will be ample and sure.

### Parcels Post Advocated

The introduction of a parcels post system in Canada was strongly advocated at the recent session in Toronto.

### AD. TALK LXVI.

Which is better, to have one large advertisement or several smaller ones?

Both are good. Both have their places.

The large advertisement can command attention. It is sure to be seen. If interesting, and it makes the right connection, it is sure to be read.

True, it costs much more. And it is soon gone, and may be forgotten.

But there is something about the large ad.—a certain "punch" that makes it get results. It is like unto a bullet in a gun compared to a load of buck or smaller shot. The bullet gets the bigger game, and gets it quick.

The small advertisement, like the small shot, may scatter. It lacks the driving force. You can hardly expect it to bring down the larger game.

Of course the small ad. like the small shot has its place. And it is a very important one. It is often the only thing for the smaller advertiser. It is of greatest importance for following up the larger ad., keeping in remembrance the larger ad. and its owner in the minds of readers.

Recall the impression that the larger ads. in Farm and Dairy have made upon you. Note them in this issue. Size them up in comparison with the smaller ones.

Keep in mind that the big ads. are not alone for the Commercial Advertiser as you ordinarily think of him. Breeders of live stock often can use a big advertisement to splendid advantage.

Last week at Toronto, Mr. F. R. Mallory, of Frankford, Ont., a Holstein breeder, told us that his recent special full-page reading ad. in Farm and Dairy, costing him \$50.00, brought him sales exceeding \$2,000.00, and more orders than he could fill.

Be not deceived! Space is not the only thing. You must have the right story in the space. Then have it in a good medium—a guaranteed medium, if possible, like Farm and Dairy.—

"A Paper Farmers Swear By"

of the Dominion Grange. In this connection it was pointed out that because the people of England and the United States now enjoy the benefit of a parcels post system, including exchange mailing privileges which Canada, parcels mailed in England and the United States to points in Canada will be carried and delivered by the Dominion Government although the Dominion Government as yet does not permit Canadian citizens to mail similar parcels to points in the United States and Great Britain.

"My hired man," said Mr. J. J. Morrison, of Arthur, "recently had a suit of clothes delivered to him from England at a cost of about a dollar. Our government delivered this parcel to him, but none of us could mail such a parcel here."

"A parcel was recently delivered to me in Toronto," said Mr. F. M. Chapman, of Toronto, "which had been mailed in England at a postal charge of 5c. I signed up my postal rates and found that I could not mail such a parcel from Toronto to Pickering, about 20 miles, without paying \$1.50 postage on them."

The report of the resolutions committee, which favored the introduction of the establishment of a parcels post system in Canada, pointed out that it would have a bearing in the elimination of the middleman, in bringing producer and consumer closer together and in cheapening the cost of transportation as it would furnish farmers and others with a method of escape from the extortionate charges of the express companies. This led one of the farmers present to ask if the parcels that would be carried would be large large enough to be of any material benefit. In reply to this question it was pointed out by Mr. W. L. Smith, of the Weekly Sun, that an 11-pound parcel would make possible the shipment of a small ham, a small turkey, a pair of chickens, ten pounds of butter, eight dozen eggs, baskets of fruit and many other products of the farm.

The report of the resolutions committee urging the Postmaster-General to establish a parcels post system in Canada was carried unanimously.

### Tuberculosis Eradication in B.C.

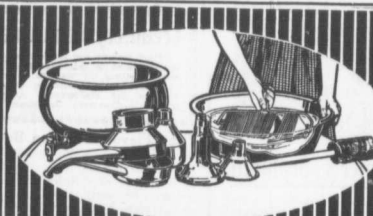
(Continued from Page 5)

restriction of the movement of diseased animals is desirable.

"In addition to tuberculin testing, the Provincial Department of Agriculture has had in operation for several years, a very complete system of inspection of cattle stables. All premises are graded according to the existing sanitary conditions, and our inspectors give instructions as to how the sanitary conditions may be improved.

"In conclusion, we would venture the opinion that, in addition to giving protection to the British Columbia farmer, the new regulation will stimulate trade between this province and the other provinces of the Dominion. Furthermore, it will lend encouragement to the breeders in other provinces who have been keeping their herds free from the disease, and, in general, should encourage the fight against bovine tuberculosis. We are convinced that the new regulation will be welcomed by all progressive cattle breeders as an important step in the right direction, and trust that what British Columbia has been able to accomplish may serve of value to the other provinces, indicating as it does, that bovine tuberculosis may be successfully combated."

Plan your order for garden and other seeds now.



## DE LAVAL Cream Separators ARE EASIEST TO WASH

The construction of the De Laval bowl is such that it can be completely taken apart for washing.

The discs, bowl parts and tinware have no tubes, crevices, holes or corrugated surfaces such as are found in other machines and which are very hard to clean.

The De Laval discs are washed as a single piece and the whole machine can be thoroughly

## CLEANED IN FIVE MINUTES

There is no part of the De Laval bowl which cannot be easily reached and seen, so that the operator can always tell whether or not every part has been properly cleaned.

The ease with which the De Laval can be thoroughly washed and kept in a sanitary condition is one reason why creamerymen prefer De Laval to other separator cream, and is likewise one of the reasons why butter made from De Laval cream has scored highest at the National Dairy Show for over 20 years.

### DE LAVAL DAIRY SUPPLY CO., LTD.

173 William St., MONTREAL 128 James St., WINNIPEG

### BEGINNER'S COURSE

Is your education poor? This course was specially prepared FOR YOU. Starts at the beginning in Arithmetic, Penmanship, Composition, Grammar, Geography. So plain that you can't help understanding it. Learn it at home in your SPARE TIME. Write for circular.

Canadian Correspondence College

Limited

Dept. J. TORONTO, Canada.

### CRUMB'S IMPROVED WARRIOR STANCHION

Henry H. Albertson, Burlington, N. J., writes: "I'm new to the comfort of my cow's feet."

WHY TORTURE your milk stanchions?

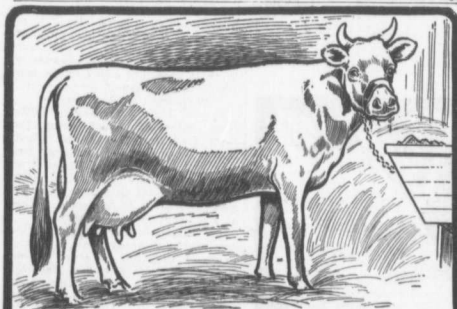
Send for specifications of inexpensive yet satisfactory copy stable to:

WALLACE B. CRUMB, 225 Forestville Drive, F. S. A.

Canadian orders filled from Canadian factory.

All correspondence should be addressed to the home office.

State in inquiry if you prefer booklet in French or English.



### The Feed That Makes The Cream

Livingston's Oil Cake is the cheapest feed for cows—cheaper than corn, shorts or even hay. Because it actually increases the richness of cream—and also increases the amount of butter that you get out of the milk.

Test your cows before and after feeding Livingston's Oil Cake for a month—and your "butter money" will show its economy.

Livingston's Oil Cake contains from 8 to 12% of pure lard oil—oil that is soft enough to break into small bits—and are completely and easily digested. Write us for sample and prices if your dealer cannot supply you.

Dominion Lard Oil Co., Limited, 225 St. James St., Toronto, Montreal.

## Livingston's Dairy Oil Cake

**Creamery Department**  
 Butter makers are invited to send contributions to this department to ask questions on matters relating to butter making and to suggest subjects for Creamery Department letters to Creamery Department.

**Fishy Flavor in Stored Butter**  
 Dr. F. C. Harrison, Macdonald College  
 There have been many theories as to the cause of "fishy flavor" in butter. Formerly, "fish" was given as a reason, then "salt," then "salt stowed in vessels charged the ocean," but more recently the fault has been attributed to "dirt" in various forms, the flavor being taken in through the milk or cream or through the salt. Probably the fault comes more frequently through the "salt" than in any other way, but we are satisfied that there are other causes.

We have met with fishy flavor in butter quite frequently, and fishy flavor butter usually sells at one to two cents a pound under the price of the finest, the depreciation, of course, depending upon the market conditions. It has been our experience that fishy flavor is not often met with in new butter, but generally arises in butter that has been held in cold storage for some length of time. We have also noticed that when butter is very lightly salted, the fishy flavor does not seem to develop to the same extent as in higher salted butter. Following is an opinion received from a dealer on the subject of fishy flavor:

**FISHY MAY MEAN STALE**  
 "Fishy flavored is a common fault with all held butter, and we think only an exaggerated term of 'staleness' at best. It is to be brought over will come with men of their own kind and not with foreigners; and, furthermore, each immigrant will be assured of a definite proposition in a certain job which he lands in Grey county and takes up his duties with the farmer who wants him, and who has gone a long way to get him.

**PREVENTION OF FISHY FLAVOR**  
 Rogers' remedy of making butter from pasteurized sweet cream prevents fishy flavor, but this remedy cannot be carried out under our present system of making butter from gathered cream. We must either take precautions to obtain cream in better condition or use some method of treatment in the factory.  
 The most obvious method of improving the gathered cream is a campaign of education to show patrons the necessity of cleanliness in each detail connected with milking and separating, and the importance of immediate cooling and holding the cream at a cool temperature until it arrives at the factory.  
 The proper treatment of over-ripened cream at the factory is a more difficult question. Some recent experiments have shown that ozone may be used for deodorizing stale cream. The cream is first pasteurized and then carried to an agitator and treated with ozone.

ed with ozone for 40 minutes. The cream is slightly bleached by this process and completely deodorized and the acidity reduced one-half. After cooling the cream is churned into butter. Butter made by this process grades as No. 1. Such a process would have to be carefully investigated under factory conditions, and the cost carefully computed before it could be adopted with certainty, but, if Ontario managers are finding it difficult to manage gathered cream successfully, and if they cannot obtain cream sufficiently sweet for the best manufacturing results, then some process such as that described would seem advisable in order to secure the best results.

**Farmers Send After Laborers**  
 Grey county (Ont.) farmers have made an unusual departure and taken a forward step in the matter of securing suitable farm help. Last week they dispatched their District Representative, Mr. H. C. Duff, R.S.A., to the Old Country, backed with local money from farmers, to advance the passage money to the laborers to be secured.  
 It is expected that 100 men at least will be brought out. Farmers who want a man have advanced \$20 as his passage money.

The movement was started by a few local men in Grey county, who recently have got their County Board of Agriculture interested, and brought about the result now in tangible form, and which led up to Mr. Duff sailing on Saturday last to make the selection of men. The selection will be made in conjunction with the Ontario Immigration Department in England.

An attractive feature about the scheme is that the men to be brought over will come with men of their own kind and not with foreigners; and, furthermore, each immigrant will be assured of a definite proposition in a certain job which he lands in Grey county and takes up his duties with the farmer who wants him, and who has gone a long way to get him.

**Shipment of Bulls to New Ontario**  
 The Live Stock Improvement Association of New Ontario shipped on Saturday last from Myrtle, Ont., one bull each to Edward, Thornloe, Bucke Tp., Hanbury and Monteth—these bulls being registered, purebred and tuberculin-tested Short-horns of the milking type. They also shipped Lady Pride, a prize-winning Clydesdale mare, purchased from Smith and Richardson, of Columbus, for the demonstration farm at Monteth.

These bulls are placed with branches of the Live Stock Improvement Association, which is a new departure set apart for New Ontario only. At places selected by the Department twelve men can get together and form a branch of the association. They pay in a \$1 membership fee, and the Government will supply them with choice of 1 bull, 5 rams or 2 boars—absolutely free of charge. The Government retains control of the stock; and the man who keeps the animal signs an agreement to keep the animal in good condition, and collect all fees, etc.; he is reimbursed by members for keeping the animal.  
 The aim is to foster community breeding. The original choice may be of any breed desired. After that the same breed will be retained. A system of inspection is undertaken to ensure proper care of the animals and proper working of the association. About 30 associations have already been formed; 18 rams were shipped last fall. About 23 additional bulls have been purchased to be shipped within the next six weeks.



**IDEAL GREEN FEED SILOS**

Now when you have the time why not settle the silo question.

The more you investigate the advantages of having succulent silage to feed to your cows all winter the sooner you will decide to erect a silo.

We want you to have our Ideal Green Feed Silo Book

It not only describes the best silo made but it also contains much valuable information for all cow owners.

If you are a cow owner a postal card request will bring you the book free of charge.

De LaValley Dairy Supply Co., Ltd.  
 173 William Street, Montreal  
 128 Acacia Street, Winnipeg

**WANTED**  
 Position as Manager of Creamery or Chief Butter Maker. Good references, have certificate. Good wages expected. Apply F. R. HARRILD, Box 8, WINCHELSEA, Ont.

**CREAM WANTED** Highest City price paid for cream. We furnish case, say at 40% cream. Promptly. Haven't paid less than 30c for two months.  
 TORONTO, CREAMERY CO., LTD., Toronto

**Cheese Maker Wanted**  
 For St. Paul's Cheese Factory, to make by the hundred. Apply to J. A. THISTLE, Secretary, ST. PAUL'S CHEESE CO., ST. PAUL'S, ONT.

**SEED CORN**  
 I have for sale a quantity of choice hand selected Longtellow, Compton, White Cap and Leaning Corn. Orders solicited.  
 J. S. WAUGH,  
 CHATHAM, ONT.

**EARLY DAUBENEY OATS**  
 Earliest and lightest in hull of all oats, only 24 per cent; others have over 24-25 per cent with O. G. No. 21 barley. All first class seed, free from any noxious weeds. 75c a bushel.  
 O. A. C. NO. 21 BARLEY  
 Heavy, plump seed. Satisfaction absolutely guaranteed.  
 Bell Phone 1387.  
 W. J. COX, Box 735, PETERBORO, Ont.

**Sweet Cream Wanted**

Full particulars on application to

**The Farmers' Dairy Co.**  
 567 Queen St. W.  
 TORONTO - Ont.

**A Farmer's Spramotor**

The illustration shows a barrel Spramotor outfit, most suitable for farmers with small orchards, up to four or five acres.

With this Spramotor you can keep your apples absolutely clean from scab or spots; keep them free from worms, and make 95 per cent of their first class and saleable fruit.

It will be worth your while to spray this year. Remember how badly infested the fruit was last year, and how you could not sell it at a good price because of spots and worms.

We have gotten out at big expense a hand book, telling you all about the insects that affect your apples and other fruit; tells you the sprays to use for each class of insects, how to mix the sprays and when to apply them so as to do the most good. This book is called

**A Gold Mine on Your Farm**

Write us for it. Sent to you free on request. It describes also the Spramotors and accessories you will need.

Spramotors are recognized the world over as the standard and always-satisfactory spraying outfit. They are made by the Spramotor Co., which is the only Canadian firm in their line to have an American branch manufacturing in the United States where they have been established for 12 years.

There is a new spray specifically to meet your needs; we will tell you about it when you know what you need.

Write us to-night for your copy of "A Gold Mine on Your Farm." It is found in convenient pocket size—it is designed to be of great practical value to you. Address me personally—

**W. H. HEARD**  
 c/o **Spramotor Co.**  
 1705 King St., London, Ont.  
 Largest manufacturers of Sprayers and Accessories in the World.

**AUCTION SALE OF THE SPRING CREEK FACTORY**  
 On Feb. 15th, 2 p.m., on Lot 6, Con. 12 East Zorra, two miles north of Woodstock, consisting of Home, Stable, Two Acres and Factory with complete equipment for factory of cheese, butter, to be sold altogether or separately. Terms on buildings and lot made known on day of sale. Equipment Cash.  
 Wm. PULLIN, Asst. E. HARWOOD, Pres. A. McKAY, Sec. Woodstock, R.R. No. 2  
 Feb. 10, 1913.

**roofing**

Free Samples  
 Free Catalogues  
 Free Plans

Are you interested in a roofing that will protect your barn against fire, water and lightning? Important information on this subject together with particulars about Galt Steel Shingles will be sent to you without charge or obligation. A postal card will bring it by return mail.

The **Galt ArtMetalCo.**  
 253 Stone Road, Gal, Ontario

Febro

**Che**  
 Making buttons questions cheese joints for the

**Facto**  
 The cheese fa probably on impo al water cannot be first pure a cess factory so problem, run off in ed, a satic tanks

R. H. Littl has had a trated T, where the

be the course the providing catch a pumping the drain the work resort and sary.

We belie unsuccess large enou sufficient days' sup serve their disinfectant cut of the waste water tanks, c usually be Y. Produ

(NOTE)—In the constr filter betw Department (Ont.)

**Dairy**  
 H. E. Brin With the hot weeks the past season was eaten an ex producing the best r During the these were finest. I r in my last the taking heed by again empl obtained by sufficient a cooling purty of ice to The depa good enoug in: the bu milk. I fu a sufficient each patro



**Cheese Department**

Makers are invited to send contributions to this department to ask questions on matters relating to cheese making and to suggest subjects for discussion. Address letters to The Cheese Maker's Department.

**Factory Waste Disposal**

The most difficult problems in cheese factory drainage disposal are probably those encountered by plants on impervious soil where either natural water courses are not present or cannot be used unless the waste is first purified. In an impervious soil a cesspool is usually not a satisfactory solution of the waste disposal problem, and unless the waste can be run off in a manner that is not objected to, a septic tank or system of septic tanks with a gravel filter bed may

were never read, and in some cases were thrown away as soon as the drawer got to the whey tank. This was particularly true of the producer furnishing the poorest milk.

I have endeavored all season to see that producers kept their milk in suitable places, and where I found it was not done, offered suggestions or asked that changes in location of stands, etc., be made.

I have been very careful in making tests for adulterations and found six patrons supplying milk that had been tampered with. Five were fined and one has yet to be dealt with.

I had 36 factories under my supervision, two less than last year. The makers with a very few exceptions kept their factories clean and sanitary all season. I endeavored to keep these few exceptions in order, but they do not appear to be proper means to manufacture cheese. I appreciate the endeavors the makers have

**Hogs may be a Profitable Side Line at the Cheese Factory**

R. H. Little, Proprietor of the Pine Grove cheese factory in Peterboro Co., Ont. has had several hundred hogs at one time in the substantial piggery here illustrated. The whey is piped from the factory and runs directly into the troughs where the pigs can get at it. Surely this is a better way to use whey than to drain it into a nearby swamp as many do.

—Photo by an editor of Farm and Dairy.

be the only feasible solution. Of course there is the alternative of providing a tank large enough to catch a day's waste or more and pumping this out and carting away the drainage; but this is a system that would be adopted only as a last resort and is seldom absolutely necessary.

We believe the septic tank is only unsuccessful when the size is not large enough; where the tanks are of sufficient size to accommodate several days' supply of waste they usually serve their purpose well, especially if disinfectants and chemicals are kept out of the drain. The volume of waste water which passes into the tanks, can with a little thought, usually be considerably reduced.—N. Y. Produce Review.

**NOTE.**—Plans and specifications for the construction of septic tanks and filter beds, may be obtained from the Department of Agriculture, Toronto, Ont.

**Dairy Work in Frontenac**

H. E. Brintnell, Frontenac Co., Ont. With the exception of a couple of hot weeks during the month of July the past season in the Kingston Syndicate of which I am instructor, has been an extra good one, the makers producing a fine article and getting the best results for their endeavors. During the two weeks mentioned cheese were not in all cases strictly finest. I regret that suggestions made in my last annual report regarding the taking care of milk, were not heeded by many of the patrons. I will again emphasize the good results to be obtained by farmers who have not a sufficient amount of good water for cooling purposes, putting by a quantity of ice for the hot weather.

The department of agriculture was good enough to provide leaflets advising the best methods of caring for milk. I furnished each factory with a sufficient number to supply one to each patron. Many of these leaflets

put forth in keeping their whey tanks clean. Tanks were kept much cleaner than at any previous season during my six years as instructor here.

**Seed Selection is Both Practical and Profitable**

(Continued from page 4.) prize for the best wheat of the continent. He had only 16 bushels and was offered \$8 a bushel for it for seed.

Mr. S. Smith of B.C., another member of the C.S.G.A., at the same exhibition landed the \$1,000 trophy for the best exhibit of potatoes. There are many others whose names might be mentioned but these will suffice to prove the point I am trying to make—that when seed selection is properly done it is quite profitable as well as practical; and the good work is bound to go ahead.

Quebec has failed to follow the lead of Ontario. The Honorable Mr. Caron, Minister of Agriculture for Quebec, has issued an order requiring that all butter and cheese makers who have temporary permits must this winter, qualify at St. Hyacinthe Dairy School if they would continue in the dairy business.

**Announcement of Winner in Farm Engine Contest**

AFTER a careful examination of the more than 5,000 lists submitted, Mr. J. C. MacDonald, of the Family Herald and Weekly Star, who acted as chairman of the judges committee, announces that the farm engine has been awarded to Mr. F. W. Crealy, of Strathroy, Ont. His list was selected as containing the greatest number of practical uses for

**Fairbanks-Morse Farm Engines**

THE information gathered from the many lists submitted is of untold value. When 5,200 intelligent Canadian farmers get down to analyzing the number of uses to which Fairbanks-Morse engines can be adapted on the farm, many valuable ideas are bound to result.

The best and most practical suggestions have been compiled, and are being published in booklet form. This manual is full of interesting, instructive, and money-saving information for the farmer.

Only a limited edition will be printed and, judging from the number of requests already received, this will be quickly exhausted. The first 5,200 of the press will be reserved and mailed to the contestants; the remainder will be sent to those whose requests are received first.

If you are not a contestant, send in your name at once. Just write, "Please mail me a free copy of '49 Uses for a Farm Engine.'" State whether you own an engine or not. Sign your name and address, and send to

Farm Booklet Editor

**The Canadian Fairbanks-Morse Co., Limited**

Montreal



Reduce Your "Feed" Bills by using

**Caldwell's Molasses Meal**

The quantity an animal eats counts for very little—it's the amount it digests which tells in class and value. Caldwell's Molasses Meal lowers "Feed" Bills. It takes the place of an equal quantity of cereal—makes other "Feed" more palatable and digestible. Molasses Meal is 84% pure Cane Molasses—16% an edible moss selected because of its known digestible action. You might as well save money and increase the value of your stock by using Caldwell's Molasses Meal. If your feedman cannot supply you—write to us—write anywhere!



THE CALDWELL FEED CO., Limited, DUNDAS, ONTARIO

**The Best Built Roller**

is the "Bissell," with Drums of heavy steel plate, hard in temper, riveted up close, having pressed steel heads.

With AXLES of 2 inch solid steel revolving on cold Rolled Roller Bearings.

With the MALEABLE CAGE in one piece, holding the Roller Bearings in line on the axle.

With DRAW BRACKET under the Pole, making the Draught down low.

With the FRAME all of steel and the improved steel plate bottom.

You may be told that other Rollers are like the Bissell—but there is only one original Bissell Roller and to save our customers disappointment, we put our name on every Roller we build. Look for the name "Bissell" and write our Dept. R for catalogue.

Several styles and a variety of widths to choose from, 6 ft. up to 12 ft. Grass Seeder Attachment also furnished if required.



T. E. BISSELL CO., LTD., ELORA, ONT.



THOSE love truth best who to themselves are true  
And what they dare to dream of, dare to do.—  
James Russell Lowell.

## Rose of Old Harpeth

By MARIA THOMPSON DAVISS

"Copyright, 1912, The Bobbs-Merrill Company"

(Continued from last week)

"As you know when I woke I was anchored in the middle of that four-poster in my room under the roof of the Briars and you were pouring something glorious and hot down my throat, while the wonderful old angel-man in the big gray hat, who had got me out in the field, was flapping his wings around on the other side of the pillows. I went to sleep under your very hands—and I haven't waked up yet—except in ugly, impatient ways. I never want to."

"I wonder what you would be like—awakes?" said Rose Mary softly, as she gently lowered the head of young Peter down into the hollow of her arm, where, in close proximity to Shooly's, he nodded off into the depths. "I think I'm afraid to try waking you. I'm always so happy when Aunt Viney has snuffed away her asthma with jimson weed and got down on her pins, and I have rubbed all her joints, when the General has said his prayers without stopping to argue in the middle, and Uncle Tucker has finished his chapter and pipe in bed without setting us all on fire, that I regard people asleep as in a most blessed condition. Won't you please try and stay happy, tucked away fast here at the Briars, without wanting to wake up or go all over New York, when I won't know whether you are getting cold or hungry or wet or a pain in your lungs?"

"Again I promise! Just wake me enough to go out and hoe for you is all I ask—your row and your kind of hoeing."

"Maybe hoeing in my row will make you finish your own in fine style," laughed Rose Mary. "And I think it's wonderful of you to atudy up our land so Uncle Tucker can be better with it. We never seem to do able to make any more than just the mortgage interest, and what we'll wear when the trunks in the garret are empty I don't see. We'll have to grow feathers. Think like I do teeth just seem to be impossible."

"Do you mean to tell me that the Briars is seriously encumbered?" demanded Everett, with a quick frown showing between his brow and a business-like look coming into his eyes.

"The mortgage on the Briars covers it as completely as the vines on the wall," answered Rose Mary quickly, with a humorous quirk at her mouth that relieved the note of pain in her voice. "I know we can never pay it, but if something could be done to keep it for the old folks alone, I think Stonie and I could stand it. They were born here and their roots strike deep and twine with the roots of every tree and bush at the Briars. Their graves are over there behind the stone wall, and all their joys and

sorrows have come to them along Providence Road. I am not unhappy over it, because I know that their Master isn't going to let anything happen to take them away. Every night before I go to sleep I just leave them to Him until I can wake up in the morning to begin to keep care of them for Him again. It was all about—"

"Wait a minute, let me ask you some questions before you tell me any more," said Everett, quickly covering the sympathy that showed in his eyes with his business tone of voice. "Is it Gideon Newsome who holds this mortgage?"



The Home on a Government Demonstration Farm

One of the farms selected by the Dominion Conservation Commission for demonstration purposes, is that of W. G. Barrie, Waterloo Co., Ont. Mr. Barrie's comfortable stone dwelling may be seen herewith.

—Photo, courtesy W. G. Barrie.

"Why, yes, how did you know?" asked Rose Mary with a mild surprise in her eyes as she raised them to his, bent intently on her. "Uncle Tucker had to get the money from him six years ago. It was a debt of honor—he—we had to pay." A rich crimson spread itself over Rose Mary's brow and cheeks and flooded down her white neck under the folds of her blue dress across her breast. Tears rose to her eyes, but she lifted her head proudly and looked him straight in the face. "There is a reason why I would give my life—why I do and must give my life to protecting them from the consequences of the disaster. No sacrifice is too great for me to make to save their home for them."

"Do you mind telling me how much the mortgage is for?" asked Everett, still in his cool, thoughtful voice.

"For ten thousand dollars," answered Rose Mary. "The land is worth really less than fifteen. Nobody but such a such—a friend as Mr. Newsome would have loaned Uncle

Tucker so much. He—he has been very kind to us. I—I am very grateful to him and I—" Rose Mary faltered and dropped her eyes. A tear trembled on the edge of her black lashes and then splashed on the chubby cheek of Peter the reposer.

"I see," said Everett coolly, and a flint tone made his usually rich voice harsh and flat. For a few minutes he sat quietly looking Rose Mary over with an inscrutable look in his eyes that finally faded again into the utter world weariness. "I see—and so the bargain and sale goes on even 'on Providence Road under Old Harpeth. But the old people will never have to give up the Briars while you are here to pay the price of their protection, Rose Mary. Never!"

"I don't believe they will—my faith in Him makes me sure," answered Rose Mary with lovely unconsciousness as she raised large, comforted eyes to Everett's. "I don't know how I'm going to manage, but somehow my cup of faith seems to get filled each day with the wine of courage and the result is mighty apt to be a—song." And Rose Mary's face blushed out again into a flowering of smiles.

"A sort of cup of heavenly nectar," answered Everett with an answering smile, but the keen look still in his eyes. "See here, I want you to promise me something—don't ever, under any circumstances, tell anybody that I know about this mortgage. Will you?"

"Of course, I won't if you tell me not to," answered Rose Mary immediately. "I don't like to think or talk

Aunt Viney feel this way!" exclaimed Rose Mary with distress in her blue eyes that she raised to Uncle Tucker's, that were bent benignly upon her as she stood in the barn door beside him. "I says that as the moon has shined her her four score years by reason of great strength, she oughtn't to remind Him that He has forgotten her by having an eighty-second birthday. Everybody in Swedenhiar has been looking forward to it for week, and it was going to be such a lovely party. What shall we do? She says she just won't have it, and Aunt Amanda is trying when Aunt Viney don't see it. She's made up her mind, and I don't know what more to say to her."

"Rose Mary," said Uncle Tucker, with a quizzical smile quirk at the corners of his mouth, "mightily often the ingredient of permanency is left out in the making up of a woman's mind, one way or another. Can't you kinder prevail with your Aunt Viney some? I've got a real hanker after this little birthday to-day. Jest back her round to another week, and the question with a slack bow-line. Looks like it's too bad to—"

"Rose Mary, oh, Rose Mary, where are ye, child?" came a call in a high, sweet quarter of a voice from behind the garden path, and Miss Amanda hove in sight, hurrying along on eager but tottering little feet. Her short, skimpy, gray skirts fluttered in the spring breezes and her bright, old eyes peered about her, as if she were held over her head with tremulous excitement. She was both laughing and panting as Rose Mary threw her arm around her and drew her into the door of the barn. "Sister Viney has consented to her mite about the party, all along of a verse I was just new a-reading to her in our morning lesson. Saint Luke says: 'It is meet that we should make merry and be glad, for this thy brother was dead and is alive again; and at the same minute the recollection of how sick Mr. Mark has been hit us both. 'There now, she says, 'you folks can jest go on with that party to-day for the benefit of our young brother Everett's coming to so good after all his sufferings. This time I will consider it as instituted of the Lord, but don't nobody say birthday next April, if I'm here, on no account whatever.' I take that for my young girl to me to have read that verse this morning to Sister Viney, and won't you please go over and tell Sally Rucker to go on with the cake, Rose Mary? Sister Viney called Jennie over by supper, when she told me that she told her to tell her mother not to make it, even if she had already broke all the sixteen eggs."

"Yes, Aunt Amanda, I'll run over and tell Mrs. Rucker, and then she will begin right away to get things ready. I am so glad Aunt Viney is—"

"Rose Mamic, Rose Mamic," came another loud hail from up the path toward the house and down came the General at top speed, with a plump setter frisking in his wake. "Aunt Viney asks for you to come there to her this minute. There is a-going to be the party and it's right by the Bible to have it, some for Mr. Mark, too. Tote Pote said 'cause when I told him he couldn't come, 'cause they wasn't a-going to be no party on account of worrying the Lord about forgetting Aunt Viney, and I was just a-going to knock him into stuffings, 'cause they can't nobody say 'no' to the Bible. Mr. Aunt Viney wanted to me, when there Aunt Viney called for us to go tell everybody that the party was a-going of and be sure and come. I believe God let her call me before I hit Tote, 'cause I ain't never hit Tote yet, 'cause maybe now I never will have to do."

(Continued next week)

## CHAPTER II.

### THE FOLKS-GARDEN.

"Well," said Uncle Tucker meditatively, "I reckon a festival on a birthday can be taken as a kind of compliment to the Lord and no special glorification to yourself. He instituted your first one Himself, and I see no harm in jest a-marking of the years He send you. What are Sister Viney's special reasons against the junket?"

"Oh, I don't know what makes

The  
He that  
least is f  
16:10.

These  
before H  
and also  
enemies,  
are the  
by these  
ple must  
awe and  
feel that  
day to g  
ferently  
get that  
day, as t  
earth in  
Just in  
the never-  
by our sic  
worth of  
things in  
striving a  
a commis-  
tour with  
how many  
with their  
found the  
and dull  
what suc-  
fear they  
aged and



**The Upward Look**

**Daily Faithfulness**

He that is faithful in that which is least is faithful also in much.—Luke 16:10.

These words are taken from one of the many parables which Jesus spoke before His disciples and followers, and also before many who were His enemies. How varied and beautiful are the lessons which Jesus taught by these parables and how the people must have listened to Him with awe and admiration. We sometimes feel that if Jesus were on earth today to guide and direct us, how differently we would live. But we forget that Jesus is just as near us today, as though He were living on earth in bodily form.

Just in like manner as we forget the never-failing presence of our Lord by our side, so also do we forget the worth of the small, insignificant things in life, and we are always striving after something greater. If a commission were formed to make a tour with the object of finding out how many people were fully satisfied with their lives, and who never found their daily tasks monotonous and dull at times, we wonder with what success they would meet. We fear they would soon become discouraged and consider their undertaking

hopeless. To strive after something better is good. To faithfully perform the small duties of life is greater.

We are all prone to think that our lives do not count for much in the world and that anything we may do towards its betterment will bear little or no fruit. But is this not where we make a mistake? For after all it is not the little things in life that make up the world? And we are told in this verse that "he that is faithful in that which is least is faithful also in much." So we may rest assured that if we are faithful in accomplishing the little things when we have an opportunity to do something greater we will be better fitted to do so. And an opportunity to do something great is within our reach at all times—that of doing faithfully and cheerfully the daily duties that God has appointed for us to do.

It is an easy matter for some of us to take an active part in connection with some good work, say the Sunday School, so long as everything is running smoothly and while the novelty lasts. But if the scholars begin to fall away, or interest is beginning to slacken, then we are immediately tempted to give up. It is those who will stay right with the work when the time comes who are worth their weight in gold. This is another example of everyday faithfulness.

Many a good man or woman is living a life of worth in a quiet and

obscure way by caring for an invalid or aged relative or helping the needy, and yet no one gives them a kindly word of encouragement or appreciation. But they are doing a grand and glorious work by simply doing their duty.

We are all anxious to receive the praise of our fellowmen for any little act we may perform, but even though the world may seem indifferent what reward of faithfulness can equal the simple commendation: "Well done, good and faithful servant: thou hast been faithful over a few things, I will make thee ruler over many things: enter thou into the joy of thy Lord."—Matt. 25:21.—R.M.M.

**Cigarettes**

"You smoke thirty cigarettes a day?"

"Yes, on the average."

"You don't blame them for your run-down condition?"

"Not in the least. I blame my hard work."

The physician shook his head. He smiled in a vexed way. Then he took a leech out of a glass jar.

"Let me show you something," he said. "Bare your arm."

The cigarette smoker bared his pale arm, and the other laid the lean, black leech upon it. The leech fell to work busily. Its body began to swell. Then all of a sudden a kind of shudder convulsed it, and it fell to the floor dead.

"That is what your blood did to that leech," said the physician. He took up the little corpse between his finger and thumb, "Look at it," he said. "Quite dead, you see. You poisoned it."

"I guess it wasn't a healthy leech in the first place," said the cigarette smoker, sullenly.

"Wasn't healthy, eh? Well, we'll try again."

And the physician slapped two leeches on the young man's arm.

"If they both die," said the patient, "I'll swear off—or, at least, I'll cut down my daily allowance from thirty to ten."

Even as he spoke the smaller leech shivered and dropped on his knee dead, and a moment later the larger one fell beside it.

"This is ghastly," said the young man; "I am worse than the pestilence to these leeches."

"It is the emphysematic oil in your blood," said the medical man. "All cigarette smokers have it."

"Doctor," said the young man, regarding the three dead leeches thoughtfully, "I half believe you're right."

By sewing a small twist of maline or net around the crown line beneath a broad-brimmed hat you will be able to keep the hat in place when on the head by fastening it to the hair by means of hairpins caught through the meshes of the net.—Ex.



**Come again, Pie Time, and often. For wholesome, digestible "eats" —give us PIE.**

**At its very best wrapped in a FIVE ROSES crust.**

**Upsets Pie Prejudice without upsetting the Eater's Insides—FIVE ROSES flour.**

**Great for Pie Crust — top and bottom.**

**And Puff Paste and Difficult Things.**

**Close-grained — melting — even textured.**

**Flaky, too, and crinkly — crisp yet tender.**

**Put into your bake things the rare nutlike sweetness of Manitoba wheat kernels.**

**All soppy with the rich red juice of the cherry — or lemon pie — or apple — or healthy**

**custard — meat, may be, or mince —**

**Put the FIVE ROSES "crust end" about 'em.**

**See the hungry wedges fade behind busy milk teeth.**

**At Pie Time —**

**Use FIVE ROSES.**

**Five Roses Flour**

**Not Bleached**



**Not Blended**

**NEW CENTURY LEADERSHIP**

A railroad navy may be an honest soul and a worthy citizen, but that does not equip him for the position of general manager of the system.

It is the same with washing machines. Others may be honestly constructed, but the New Century maintains its paramount position by honesty PLUS.

The "plus" means patented and exclusive features found only in the New Century. It represents experience and brains applied to

washing machine problems, and assures convenience and economy to New Century owners.

Your dealer can tell you the reasons for New Century leadership or we will send full information direct.

**YOUNG MEN FOR ONTARIO FARMS**

Arriving February, March, April  
Apply: **BOYS FARMER LEAGUE**  
DRAWER 126 - WINONA, ONT.



**CANADIAN PACIFIC**

**Special Cruise Around the World**

EMPERESS OF "RUSSIA" AND "ASIA"  
(New C.P.R. Pacific Steamships)  
The Empress of Russia will leave Liverpool April 1st, calling at Gibraltar, Villefranche and Port Said. Proceeding via Suez, Colombo, Singapore, Hong Kong, Shanghai, Nagasaki, Kobe and Yokohama, arriving Vancouver June 7th, 1913.

Vessel remains 16 days at Hong Kong. Empress of Asia will sail from Liverpool June 19th. Particulars of trip will be announced later.

Most direct connection for April 1st sailing is via "Empress of Britain" from Montreal.

**RAVE FOR ENTIRE CRUISE, \$630.00**  
Ease of maintenance have been unrivaled in England and departure of "Empress of Russia," and stop over at Hong Kong.

Particulars from Canadian Pacific M. G. MURPHY, Agents or write D.P.A., C.P. Ry., Toronto.

**Farm Help**

Farm Laborers will again be brought out this year by our Immigration Department.

**Also Boys and Domestic Servants**  
We are making a special effort this year in country districts and will have the best class of immigrants. We seek desirable places for them.

Apply early for application forms to  
**The Salvation Army Immigration Dept.**  
Albert Street, TORONTO, Ont.

**See the Good**

A great many people ruin their ability to see good in others by constantly holding their defects in mind.

It is impossible to develop the better side of one's nature, that which appreciates the good, the beautiful and the true, while the mind is filled with thoughts of an opposite kind.

How beautifully, for instance, a child develops under the loving thought of a sweet-tempered, sunny mother! Not alone are his best qualities encouraged and nourished, but their rapid development kills the possibility of the growth of antagonistic qualities, just as the rapid maturing of cultivated plants checks the weeds which might otherwise strangle them. Encouragement of one discourages the other.

By way of contrast, notice a child who is constantly scolded, criticised and found fault with by his mother. You will find that the child's worst qualities are rapidly developed. The thought the mother holds toward it discourages the unfolding of the better side of its nature, and eventually destroys it.

In the same way, a teacher who holds the depreciative critical thought in regard to a pupil, discourages his growth.

As a rule, children need the sunshine of merited praise. They require appreciation and encouragement to aid their normal development.

Nothing so chills and discourages a pupil, so quickly robs him of spontaneity and enthusiasm, as a fault-finding, critical attitude on the part of the teacher.

Whatever you do, don't ruin your capacity for appreciating the good and the beautiful in others, for seeing the better side of human nature. Don't burrow in the mire of discontent, fretting and fault-finding so that you cannot appreciate moral cleanliness, sunshine and beauty of disposition.

Here you heard the story of Kasper Hauser. Here it is:

Kasper Hauser was kept so long in a damp, dark dungeon that, on his release, the sunlight and beauties of nature which gave pleasure to normal minds, brought only bitter pain to him—pain so great that he begged to be set back to his dungeon again. The light blinded him.

His eyes were so accustomed to darkness that he couldn't endure the sunshine.

There are men living in worse dungeons than that which was occupied by Kasper Hauser. Voluntary prisoners, their thoughts, shut themselves off from all that is lovely, healthful and inspiring in life.

Voluntarily they have rendered

themselves unsuited for any normal environment.

Live, then, in the sunshine and develop the power to see the good about. It pays.—Western Farmer.

**Storage of Meat**

Meat used while fresh is more nutritious and palatable than salted or cured meats. It is therefore desirable to use as much of it uncured as possible. It is very difficult to keep meat fresh during the summer months without the use of ice, and even then but little can be handled at one time on the ordinary farm. Where a room or family refrigerator can be kept at a temperature of 40 degrees or less, with good ventilation and circulation of air, fresh meat can be kept for a week or 10 days.

It is very important that the circulation be free and the air dry. Moisture in a refrigerator tends to develop wet mold or slime, and a little decay soon contaminates the whole piece. Less difficulty will be experienced in keeping fresh meat if it is kept in a room where the temperature is high and the air dry than where the temperature is low and the air damp.

Insects should not be allowed to get at the meat. For this reason a dark, cool cellar is the best place for keeping fresh meat on the farm. The cellar should be clean and free from odours or the meat will become tainted.

"Father" asked Johnny, "what is the difference between farming and agriculture?"

"Well, my son, for farming you need a plough and a harrow and other implements, and for agriculture all you need is a pencil and a piece of paper."

**THE COOK'S CORNER**

Recipes for publication are requested. Inquiries regarding recipes, recipes, etc., should be sent on request to the Household Editor, Farm and Dairy, Peterborough, Ont.

**Egg Batter Cakes.**—To two cups flour add two table-spoons melted lard, one beaten egg, two heaping teaspoons cool cellar, one level teaspoon salt, and sweet milk to make thin batter. Serve with caramel sauce.

**Caramel Sauce.**—Melt one cup sugar without water. Let it get a light brown, but do not burn; then all one-half cup hot water and let it stand two minutes. Lastly add one tablespoon butter, and one-quarter teaspoon vanilla.

**Spice Cake.**—Mix one cupful of brown or white sugar, one-fourth cupful butter, one cupful buttermilk, one cupful raisins, one level teaspoon of soda, one teaspoonful cinnamon, one-half teaspoonful clove and two cupfuls flour and bake.

**Banana Pie.**—Bake the pie crust alone, and slice the bananas, three for one pie, and put half a cupful sugar, or enough to suit the taste, on the bananas and let them stand two hours. Whip two-thirds of a cupful sweet cream and put the bananas in the pie crust and cream on top. It is now ready to serve.

**Lady Fingers.**—Cream together one ter, add one well beaten egg, one quarter cupful milk, one pint flour, one teaspoonful cream of tartar, one-half teaspoonful baking powder and one teaspoonful vanilla. Cut in finger strips, roll in sugar, and bake in a quick oven. Can also be cut with a cookie cutter.

Remember the **St. Lawrence** Sugar

**Try it**—test it—see for yourself — that "St. Lawrence Granulated" is as choice as sugar as money can buy. Get a 100 pound bag—or even a 50 pound bag—and compare "St. Lawrence" with any other high-grade granulated sugar.

Note the pure white color of "St. Lawrence"—its uniform grain—its diamond-like sparkle—its matchless sweetness. These are the signs of quality.

And Prof. Hersey's analysis is the proof of purity — "99 99/100 to 100% of pure cane sugar with no impurities whatever". Insist on having "ST. LAWRENCE GRANULATED" at your grocer's.

**ST. LAWRENCE SUGAR REFINERS LIMITED, MONTREAL.**

**NEW COAL OIL LIGHT**

**Beats Electric or Gasoline**

Powerful white incandescent mantle light. Replacing common oil lights everywhere. Burns 70 hours on one gallon of coal oil (kerosene). No odor or noise, simple, clean. Tests by Prof. McKergow, McGill University, Montreal, on leading oil burning lights show this gives over **twice as much light as the best** other round wick lamps and uses less than half as much oil. Thousands of satisfied users endorse it as the best light in the world. To introduce this modern white light quickly, we will let you

**TRY ONE TEN DAYS**  
At Our Risk

We want one person in each locality to whom we can refer customers. Write quick for agents wholesale prices and special introductory offer, which entitles you to **ONE FREE**.

**MANTLE LAMP CO.**  
724 Aladdin Building, Montreal and Winnipeg

**AGENTS WANTED**  
Experience unnecessary. Make Money evinces spare time. Write quick.

Feb

We

W

sto

tha

Oil

Cott

ex

GEO.

124 R

Pou

Have

There peopl pure bro

There lib

Can

Then can them what it

Your unne 10 lines lines.

Classif

Make ver will pay

GIL

GOES

Anybody can SIXTY five you get it. time. Will Gas, gasoline trouble, delay economy, any trouble, delay Every engi can't do it. ting for it. The "Over give for ever to 40-4p. H GILSON M 98 Yr

**We must have room for our Seeds**

**Yours is the Advantage**

We offer, while the stock lasts, the best that can be bought of

**Oil Cake Meal**

At \$35.00 per ton

**Cotton Seed Meal**

At \$32.00 per ton

ex warehouse, Toronto

**GEO. KEITH & SONS**

Seed Merchants since 1866

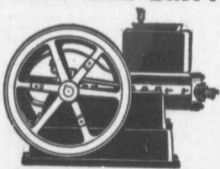
124 King St. E., TORONTO

**Poultry and Eggs**

**Have You Any for Sale?**

- 1 There are many thousands of people who would like to buy pure bred poultry for breeding purposes.
- 2 There are many more who would like to buy eggs for hatching.
- 3 Can you supply these people?
- 4 Then it will pay you to tell them through Farm and Dairy what it is you have for sale.
- 5 Your advertisement in these columns will cost you only \$1.00 for 10 lines; \$1.40 per inch of 14 agate lines.
- 6 Classified column, only 2 cents a word, cash with order.
- 7 Make up your mind now to advertise in Farm and Dairy. It will pay you.

**GILSON ENGINE GOES LIKE SIXTY**



Anybody can operate the simple "GOES LIKE SIXTY" Engine. Ready for work the moment you get it. Built strong and said to last a lifetime. Will give long satisfying satisfaction. Gas, gasoline or kerosene can be used for fuel. Gilson quality gives full value for your money. Dependable service, great durability, highest economy, and perfect satisfaction; freedom from trouble, delays and expense. Every engine absolutely guaranteed. You can try this engine on your own farm before setting for it. You take no chances. The "GOES LIKE SIXTY" line has an engine for every purpose. All sizes and sizes from 1 to 40 hp. Write for catalogue, GILSON MANUFACTURING CO., LIMITED 98 York Street, GUELPH, ONT.

**Flowers in the Home**

W. R. Lanson, N. Dak.

A few plants do much to make a house homelike. They can be easily raised. One of the most important things in drainage. If tin cans are used in which to grow them, punch the bottom full of holes with a spike. Then put in an inch layer of coarse gravel, pieces of coal or broken crockery. The regular flower pot has a hole in it but put in the gravel. A deal of organic matter—one-third leaf mould and two-thirds soil makes a good mixture. Well rotted manure can be used in place of the leaf



A Cozy Old Homestead in Prince Edward County

mould. When the plants become root bound they should be put into a larger pot. This condition is indicated when the roots come out through the holes in the bottom.

Plants like geraniums, begonias, flowering maple, fuchsias and dwarf roses are very satisfactory. Ferns require the same soil and drainage but are shade loving plants. If placed near a window they will do better if there is a curtain, scrim for instance, to shut off part of the light. A good way is to set the fern in a jardinerie containing some water, place a block of wood or something for the pot to set on to keep it out of the water.

**Selfish Girls**

Miss Margaret Whitney

When one sees the selfish things that some of the girls of to-day are guilty of, it is indeed difficult not to call their attention to their behaviour which would stand correction at once. It is not the intention of the writer to place all the blame for this condition of affairs on the girls themselves, for often the mothers are as much at fault, because they have trained their daughters to think only of themselves. Many girls would change their ways if they saw how selfish their conduct appeared to others.

Some girls are not willing to work. They never think of getting up to help prepare the breakfast and often have a hard time to get down in time to eat with the family after some one else has gotten it ready. They enjoy a good dinner but do not want to help get it and object to washing the dishes after it is eaten. They want plenty of clean smoothly ironed clothes, but are perfectly willing that their mothers shall do the necessary work.

**COMPARISON IN CLOTHES**

Another thing that many girls are selfish in is wanting all the pretty clothes. If they have nice shoes, dresses, hats, coats, and gloves it does not concern them if their mothers are shabby or not. Some girls look so nice on the streets that one is surprised that they themselves do not notice the difference between their own clothes and those of their mothers. Many a woman looks much older than she really is simply because she wears shabby old-fashioned

clothes in order to give her daughters what they desire.

Then some girls want all the good times. They go visiting, attend picnics and parties and entertain their friends all at the expense of their hard-working mothers, who possibly never go anywhere from the beginning of the year till the end. Nearly every one can think of some woman who is rarely or never seen away from home. One knows such a person is living simply because he has not heard of her death.

**Girls who Help Mother**

And then standing up for comparison with these selfish girls, are a large number of others, who with much less time are just as accomplished and attractive, who help their mothers by working at home or by buying them the little necessities with money they earn by working. They think not only of themselves, but consider it a pleasure to buy a piece of furniture for the home, or a pretty dress,

or hat or pair of gloves for their mother, who possibly cannot get everything for herself just as she likes. Neither are they willing for their mothers to wear their cast-off clothes, but like to see them look neat and well dressed like other women.—Farmers' Review.

**Whipping Cream**

G. L. Martin, Prof. of Dairying, N. Dak. Agr. College.

The factors necessary to get cream to whip well are to have it thick, cold and a little sour.

Thin cream, that is cream containing less than 25 per cent. of butter fat, is nearly impossible to whip when the temperature is above 50 per cent. F. Skim milk can be whipped to a froth when the temperature is near the freezing point. This can be noticed when freezing ice cream or lactic acid and casein upon the viscosity. This cream will whip easily near the freezing point on account of the increased viscosity which aids in incorporating the air.

If cream is allowed to sour, it will thicken somewhat owing to the curdling of the casein. This collects the fat globules and holds them together. Ageing this cream for a day or two will allow it to whip much more readily.

Thick cream or cream containing from 25 to 40 per cent. of butter fat will whip quite readily at 50 per cent. F. even when rather sweet, yet better results are obtained after it has soured a little.

Separator cream often gives trouble in whipping on account of being used too soon after skimming—too sweet. It will whip as readily as any other cream when it contains over 25 per cent. of butter fat and is cold. The tendency is to get separator cream rather thin—usually about 20 per cent.; hence the difficulty in whipping. Separator cream usually is thin, sweet and cold, and, consequently creates the impression that machine separated cream will not whip.

A simple way to separate the yolks of eggs from the whites, is to break them gently into a funnel. The whites will pass this while the yolks remain.



free from Grease and Scum use

**Old Dutch Cleanser**



**EDUCATE YOUR HORSE**

and make him worth more money. We teach you how to control any colt or horse and to make it obey. We do this by our new Mail Course of Training at small cost. Write for particulars. Address Prof. J. J. RIGGS, 393 Yonge St., Toronto

**Tonight**

Plan whom you will read about taking FARM AND DAIRY

**Have City Conveniences**



REPLACE the pestilent, draughty, dangerous and offensive door-closet with an indoor closet which requires no sewer, no plumbing, and no flushing system. Have your city conveniences in your home. Safeguard family health by installing a "Tweed" Closet Sanitary and Odorless.

"Tweed" Closets can be installed in the bath-room, cellar, or any other convenient place indoors, merely requiring to be connected by a pipe for ventilation with a chimney hole. "Tweed" Liquid Chemical, used in connection with Tweed Closets is both a deodorant and a disinfectant. Many hundreds of Tweed Closets have been sold in Canada. Send for illustrated price list. Sold on 30 days free trial.

**STEEL TROUGH AND MACHINE CO., LIMITED**  
6 James St., Tweed, Ont.

**NO MORE WET OR COLD FEET!**

With Health Brand Clogs on the man or woman who works in the wettest or coldest places always has warm, dry and comfortable feet. Try a pair yourself this winter.



**Felt-lined CLOGS** (As illustrated) Fine leather tops, hardwood sole and heel, clogs lined with warm felt. All sizes for men and women. Charges paid, ONLY \$1.75. Higher 3 buckles ..... \$2.25 High-top Wellingtons ..... \$2.50 Children's line, 7 1/2 to 7 1/2 ..... \$2.00 Or, if you wish to learn more about these wonderful Clogs before ordering, write to us for catalogue booklet, telling how Health Brand Clogs are made, etc., etc. Dealers, write for proposition. **CANADIAN FELT-LINED CLOG CO., Dept. D, 363 Spadina Ave., Toronto, Canada**

Don't Cut Out A Stock Note, Calf or Heifer For ABSORBINE

will remove them and leave no blemishes. Cures any puff or swelling. Does not irritate. Cleanses the skin. Removes the itch. Horse can be used for bottle treatment. Works in 15 to 20 minutes for manning. For Bulls, Brains, Bumps, Swellings, Itches, Cuts, Bruises, Painful Particulars, always kills. Price, 10¢ a bottle at Druggists or delivered. Will sell more if you write. Manufactured only by F. J. WILSON, F.A.S.

Capable Old Country Domestic

Parties arriving about February 18th and 28th

APPLY NOW

The Guild, 71 Drummond St., Montreal and 47 Pembroke St., Toronto

Edward Charles Ryott

AUCTIONEER AND VALUATOR

Pedders Stock Sales are my specialty. Many years successful experience out from Woodstock, Oxford Co., Ont., qualify me to get you the best price and terms possible. - 178 Carlaw Avenue, Toronto, Ont.

THIS WASHER MUST PAY FOR ITSELF.

A MAN tried to sell me a horse once. He said it was a fine horse and had nothing the matter with it. I wanted a fine horse, but I didn't know anything about horse muck. And I didn't know the man very well either.

So I told him I wanted to try the horse for a month. He said "All right," but he said he would give me five dollars for the horse. I said "All right," but I said I would give him five dollars for the horse. He said "All right," but he said he would give me five dollars for the horse.

When I was a happy youngster, Laughin'-like at earthly ills, Livin' on th' farm amongst th' Dear New England rugged hills. Wish when I wakened up some mornin' I had myself again.

In the house what I was born in, Sleepin' side o' Brother Ben. How the ol' straw bed ud rest me, Sleepin' through without a break; I dunno tho' but I'd jest be Satisfied to lie awake.

Wonder if there's many changes In the place 'ed I k'd see? Guess the thing 'twould seem mo' strange to me. Me, the boy that ust to be, There was our ol' scup that hung there.

On the alum tree, where I Lots o' times have sat an swing there. Waitin' fer the cat to die. When to school then, 'cept in hayin', Books I someway didn't leave, 'Member mother kep' a sayin' 'Hurry! It's a quarter of!'

Use to call myself ill-treated When I had to fetch the cow, I kin almost see the color red. Guess I know how mor 'n sweet 'ud Be a ramble like that new. Froehen's th' mornin' breeze, Not much like th' smells all over. City streets like each an these. Suthin's at my eyes winkin' Does occasionally when I set down an' git a thinkin' 'Et I was a boy again. - "Selected."

The Laundry Shed

Miss J. L. Shepperd

In case a woodshed is available, with an old stove, that can be used there, these should be pressed into service for washing during the winter months. The woodshed as a washroom would constitute a wash-day which is mild and sunshiny, but there is usually more than one such day in each week; and when the health of the family is at stake, the washing can well be done on some other day than Monday. At best, the woodshed would be cold, hence the worker need a piece of old carpet or linoleum and warm bricks or a soapstone to protect her feet while standing at the tubs.

A small bench on rollers, made the same height as a wash bench, will enable the housewife to move the filled tubs about without any lifting. Such preparations on the day previous are necessary in order to shorten the process on washday and hasten the drying of clothes, for the earlier in the day that some of the clothes can be put out on the line, the less need there will be for the remainder to lie wet in the house or to be dried there.

In case a shed is too cold for use in all processes of washing, it should be used for those which send off much steam, such as running clothes through the washing machine. Wringing, wash bench, boiler, basket and hamper should be kept in this shed rather than carried from the cellar and back, or rather than keep doors open while carrying them from the smoke house to the wash room.

Lookin' Backwards

Settin' here so kind a lonely, Gazin' out across the way, Nothin' there to look at, only That I see most every day, Houses jest like one another, Towerin' up four stories high, Nice enough, but then I'd rather See a goodsized bit of sky Like the sky so blue an' soft an' Elgye like. How I'd enjoy Shinin' it as I did often When I was a grewin' boy.

When I was a happy youngster, Laughin'-like at earthly ills, Livin' on th' farm amongst th' Dear New England rugged hills. Wish when I wakened up some mornin' I had myself again.

In the house what I was born in, Sleepin' side o' Brother Ben. How the ol' straw bed ud rest me, Sleepin' through without a break; I dunno tho' but I'd jest be Satisfied to lie awake.

Wonder if there's many changes In the place 'ed I k'd see? Guess the thing 'twould seem mo' strange to me. Me, the boy that ust to be, There was our ol' scup that hung there.

On the alum tree, where I Lots o' times have sat an swing there. Waitin' fer the cat to die. When to school then, 'cept in hayin', Books I someway didn't leave, 'Member mother kep' a sayin' 'Hurry! It's a quarter of!'

Use to call myself ill-treated When I had to fetch the cow, I kin almost see the color red. Guess I know how mor 'n sweet 'ud Be a ramble like that new. Froehen's th' mornin' breeze, Not much like th' smells all over. City streets like each an these. Suthin's at my eyes winkin' Does occasionally when I set down an' git a thinkin' 'Et I was a boy again. - "Selected."

Embroidery Designs

Designs illustrated in this column will be furnished for 10 cents each. Readers desiring any special pattern will confer a favor by writing Household Editor, asking for same. They will be published as soon as possible after request is received.

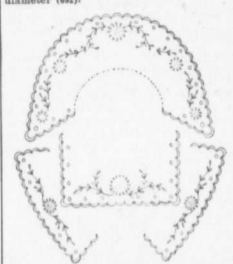
688 Design for Embroidering a Scalloped Edge.

The scallops are one and one-quarter inches in width, five-eighths of an inch in depth, four yards and four corners are given.



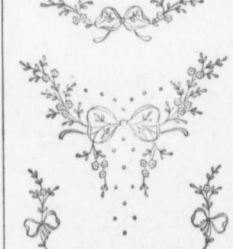
695 Design for an Embroidered Doyley.

The doyley is 13 inches in diameter and is designed for outline work with punched work transfers. Two transfers are given. The design can be obtained for a centre cloth 23 inches in diameter (1927).



690 Design for Embroidering Round Collar Open at the Front, with Jabot and Rolled-Over Cuffs.

Especially adapted to May Manton Pattern No. 7521.



685 Front, Collar and Sleeves. Design for Embroidering a Blouse.

"I reckon," said the first farmer, "that I get up earlier than anybody in this neighborhood. I am always up before three o'clock in the morning." The second farmer said he was always up before that and had part of his chores done. The first farmer thought he was a liar and decided to find out. A few mornings later he got up at two a.m., and went to the neighbor's house. He rapped on the back door and the woman of the house opened it. "Where is your husband?" asked the farmer, expecting to find the neighbor in bed. "He was around here early in the mornin'," answered the wife, "but I don't know where he is now."—"Grove County Advocate."

The Sewing Room

Patterns 10 cents each. Order by number, and size. If for children give size for adult, give directions for waists and waist measure for skirts. Address all orders to the Pattern Department.

GIRLS' UNDER WAIST AND DRAWERS.

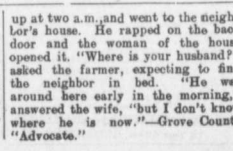


SURPLICE BLOUSE WITH ROBESPIERE COLLAR, 7505

Almost every variation of the simple blouse is to be worn this autumn, but the one made with Robespierre collar and a row of buttons down the front is unquestioned favorite. Here is a model that can be made quite elegant and elaborate by the use of lace frills or simple and plain. The sleeves are in one piece each of the 'action' sort and the long one can be finished with or without openings. For the medium size 3 1/2 yards of material \$1, 1 1/2 yards \$3, 1 1/2 yards 44 inches wide with 1 1/2 yards any width for the collar, 1 1/2 yards of lace 6 inches wide for the jabot revers, 2 yards of narrow lace for the sleeves frills, 38 yards 13 inches wide for the chemise. This pattern is cut in sizes from 36 to 42 inches bust measure.

CHILD'S WRAPPERS, 7558

The loose, simple style of wrapper that is easy to slip on is the one that the child enjoys. Here is a model that includes only four seams in the garment itself and the dressings are pretty and the sleeves can be made long or short, almost every little girl will like the patch pockets but, as they are especially adapted for the winter, they can be used or not as liked. For the 6 year size, 3 1/2 yards of material \$1, 2 1/2 yards \$3, 2 1/2 yards 44 inches wide with 44 yards 12 inches wide for the collar and cuffs. This pattern is cut in sizes for girls of 2, 4, 6 and 8 years.



Toronto people get away on trade. A. A. orders w. The vol. crewed s. now rep. away on increased tion. "FAR THE West To H High Te Bulla, ted Lady a son of Calves. Also any price. W. S. LEMON HO M Inside the Pure-Bred pure-bred day tests. Pauline, w record in months of Please w. S. A. ATHEN INKER Offers 10 10 HEIFER rising 1 y SON OF Also Bull nished in 'phone or WM. HIGGS Holste M If you wa Bull 3 year Echo. For L. R. MALIN Long Drive HAM D The Ho Record W SE BULL A Bull Write or His Fed sent on THE D. B CO



**HOLSTEINS****2 Holstein Cows**

For Sale

One a four-year-old, due to calve in February. The other a heifer, one year 5 months old, in calf. Both are from best milking strains, pure bred and registered. Write for full particulars. Will sell, as I have disposed of farm and am leaving here.

A. D. URLIN. . . . DUTTON, ONT.

**YOUNG COWS AND HEIFERS****HOLSTEINS** of different ages

For sale in calf to a son of the great bull Duke the 2nd's Butter Boy the 1st. Also Yearling Heifers, and Heifer and Bull Calves for spring delivery. Write for W. W. GEORGE. . . CRAMPTON, ONT.

**Lyndale Holsteins**

Offers 3 Young Bulls, fit for service, sired by "Prince Hengerveld Pledge" and "King Pontiac Aris, Canada." Good blood and noblest dam average over 27 lbs. butter each in 7 days. Terms, 10% cash, 90% C. O. BROWN BROS. . . . LYNN, ONT.

**CAMPBELLTOWN HOLSTEINS**

A few cows of Korodzy Veeman Pontiacs for sale. Also a number of Cows and Heifers bred to him. Come to Tillsonburg if you want to buy Holsteins and I will see that you get them. Farm, North Road way, Tillsonburg.

R. J. KELLY. . . . TILLSONBURG, ONT.

**The Graceland Farm Holsteins**

Grand dams of King Lyme Hengerveld. Average nearly 34 lbs. Their best daughter, one average 32 lbs. Y. H. E. (7866) at the head 1912 and 1913. His 2 grand girls have 30 lb. daughters. C. O. P. cows a specialty. ELIAS RUBY. . . TAVISTOCK, ONT.

**Lakeview Holsteins**

We have a few Bulls that are about ready for service. You must sell now, as our barns are full. They are sired by Count Hengerveld, Farnes De Ko, or Royal Mont. and all their dams are in the Record of Merit. For immediate sale the prices will be greatly reduced.

A post card will bring extended pedigree by return of card. Write to: E. F. OSLER. . . BRONTE, ONT.

**Ourville Holstein Herd**

Offers Ourville Sir Starlight, whose 7 nearest dams average 35 lb. butter in 7 days and 41 per cent fat. If you want to increase the test of your herd by this felo, send the test of your herd by this felo. Also one from 9% lb. 4-year-old, one from a 24.50 lb. 4-year-old, one from a 21.34 lb. 3-year-old and another from a 21.30 lb. 3-year-old. Write your wants in young bulls.

**LAILAW BROS.**

AYLWER WEST. . . ONT.

**HOLSTEINS**

No matter what your needs in Holsteins may be, see RUSSELL, the live Holstein man.

He is always prepared to furnish anything in Holsteins.

Write, or come and inspect

T. H. RUSSELL Gensva, Ohio U.S.A.

**Agents Wanted**

A man wanted in every dairy district to collect renewals and get new subscriptions. Butlers needed who will cover the district thoroughly by spring. State occupation and if can work entire or spare time.

FARM AND DAIRY, Peterboro

dressed poultry to 50 higher excepting dressed turkeys at 38 to 40.

**DAIRY PRODUCE.**

The dairy situation is much the same as for some weeks past. Receipts are used up locally and in spite of the advancing season quotations are held firm. City prices are ranging farther ahead than elsewhere, and this has a tendency to reduce receipts. Wholesale prices follow: Dairy prints, 56c to 57c; cream, 12c; butter, 32c to 33c; solids, 16c to 17c; old, 15c to 16c; large, 15c.

**BEANS**

Beans are quoted at \$3.60 for primes and \$2.60 for hand picked; 84-cent pinks and 82-cent pickers at \$2.35; night-pod pickers, 82c.

**LIVE STOCK**

The live stock trade has been rather dead for a week or more. Receipts have not held and prices at such a high level that dealers are buying only enough to satisfy the production of the market. Receipts are of inferior quality. Occasional good hogs are marketed without difficulty.

Quotations will average about as follows: Export cattle, choice, \$5.75 to 57; med. to \$6.50; butchers' cattle, choice, \$5.25 to \$6.50; med. to \$5.44 to \$6.25; choice cows, \$5.85 to \$5.75; com. to good, \$2.50 to \$5; bulls, \$3 to \$5.50; stockers, \$3.25 to \$5.50; feeders, \$3.50 to \$5.40, and canners and cutters, \$2.25 to \$4.

We quote milk cows as follows: Choice, \$5.20 to \$6; com. to med., \$3 to \$5; springers, \$5.00 to \$6. Calves are \$4 to \$10 each.

Lamb have firmly maintained the high quotations of last week going up \$9 to \$2.50. Other quotations are: Wens, \$4 to \$5.75; bucks and ewes, \$3.50 to \$4.

Hogs too are steadily maintained at high levels, packers still paying \$9.25 to \$9.40 for hogs. They are drawing the line more strictly on quality, however, and heavy hogs sell as low as \$7.00.

Small supplies of cattle at Montreal have held the market firm and no important price changes are to be noted. Choice Canadian cattle are being rounded up, but the bulk of the trading in good steers was done at \$4.50 to \$4.75, and prices ranged down to \$3.50. Choice native cows brought \$3.75 to \$4; good, \$3 to \$5.50, and common, \$3.50 to \$4.50; bulls ranged from \$3 to \$5.50.

Sheep and lambs were small in quantity and firm in price: Lambs, \$7 to \$7.50; ewes, \$4 to \$5. Calves ranged from \$3 to \$12 each.

**MONTREAL HOG MARKET**

Montreal, Saturday, Feb. 8.—There was a firm feeling in the market for live hogs this week, and prices were steady and unchanged, with a good demand from the packers. Sales of selected lots were made at from \$9.40 to \$9.50 a cwt., weighed off cars. The cold weather and prospects of a dry winter have stimulated the demand for dressed stock, and a more active trade was done this week with sales of fresh killed, at \$11.75 to \$13.45 and country dressed light weights at \$12.50 to \$12.75 and heavy weights at \$11.75.

**EXPORT BUTTER AND CHEESE**

Montreal, Saturday, Feb. 8.—There is some inquiry coming over the cable for cheese and several small lines have changed hands this week at various prices and unsold stocks here are being steadily reduced. There are still, however, a fairly large quantity offering, and the market, with Octobers at 13c less and tail ends at 11c to 11.5c. The supply of the latter grade and of underlings is scarce. The market for butter is firmer, with a better feeling prevailing generally, owing to the falling off in the supply of fresh butter, which has been more or less of a drag on the market, and the demand is working round again to the fancy goods which are being held in cold storage. Prices ranging from 28c to 30c per pound. New Zealanders are coming in every day, something like 1,500 packages having come in during the past week. The best of this is quoted at 21.5c to 30c.

**GOSSIP**

This week we are introduced to our readers in the advertisement columns of Farm and Dairy one of Eastern Ontario's leading Holstein breeders. Mr. Wm.

Higginson, of Inverman, Ont. He is offering a splendid lot of young females and the great Pontiac Korodzy, that he has had in his herd for the last five years.

**E. D. HILLIKER'S AYRSHIRES**

Editor, Farm and Dairy.—The dam of Jimmie of Menie, No. 35,62, being offered in E. D. Hilliker's clearing sale on Feb. 18th at Burgessville, Oxford Co., Ont., is a female of Menie's, a large, strong, beefier, with good conformation, nice shaped udder, with extra large teats. As a two-year-old she has produced over 40 lbs. of milk a day, with a test a little over five per cent butterfat. This Brownie family is noted for their heavy production with a high percentage of butterfat. His sire, Queen's Messenger of Springfield, has the best of breeding; Jimmie of Menie is a bull of reduced quality and size. He was second place at Toronto last season, and first place at five other fairs.

Another offering at the sale is a young bull, Pride of Sunnysbrok. He has the best of breeding for production and show purposes. His sire is Prince of Tanglewylde, was the champion cow last year for production, having a record of 16,196 lbs. milk and 626 lbs. butterfat. Queen, full of the same farm, was once the champion female at Toronto Exhibition. He has a very striking appearance. I intended him for my next year's offering. Another offering is Scotland Princess, No. 23,494. She has always been a prize winner wherever shown, and another offering is a five-year-old she gave 1,611 lbs. milk in one month, which tested 4.2 per cent butterfat, and did a little better than 13,000 lbs. in the year.

Another offering is Betsy Brown, an unusually large heifer. She won third place at Toronto last season and first place at 1,230 lbs., and a little over 8,000 lbs. since July 1st, 1912, and is still giving over 30 lbs. a day at a two-year-old. She has won the dairy test in the Ayrshire breed at Ottawa in 1910. Whoever gets this heifer and calf will have something of which to be proud.

Another offering is a five-year-old cow, Star's Doreen, No. 30,284. The sire's dam is Star 2nd. Her sire, Star of Glencairn, is half-brother to Jean Armour, with the great record of over 30,000 lbs. milk. She has a fine, strong body, with strong constitution, a great deal of the cut of Jean Armour. She has an udder of great capacity, with large teats. Her test of milk usually runs from 44 to 45 per cent butterfat. She has great prospects ahead of her. She has just produced a nice heifer calf from Jimmie of Menie, which will be a great chance for some one.

Two other fine offerings are two two-year-old heifers from a bull from Jean Armour, and from two cows I sold to the Agricultural College at Saskatoon some time ago. Here will be a great chance for foundation stock. We have several other offerings of note. Nearly all these cows that are not fresh are right for fall calvers—E. D. Hilliker, Burgessville, Ont.

**NAME OMITTED.**—Occasionally errors appear in Farm and Dairy that makes the proof reader feel like calling into question a first class printing machine. Such a one appeared in Farm and Dairy last week, when in the gossip about Lyndale Holsteins the name Lrn. Ont. was omitted. Look up this gossip again in your last issue.

**FOR SALE AND WANT ADVERTISING****TWO CENTS A WORD, CASH WITH ORDER**

**SAMPLE ENGINES AT SPECIAL PRICES.** 1 1/2, 3 1/2, and 5 H. P. sizes. They have been only a few days on the market and in perfect condition and sold at very low prices. Write for list like new before leaving our territory. Prices and further particulars on request.—The Page Wire Fence Company, Limited, Walkerville, Ont.

**Concentrates**

Linseed Oil-cake Meal, Cotton-Seed Meal, Gluten Feed, Barley, etc. Quality and price your best guarantee. Write for prices on quantity terms. CRAMPNEY & KELLY, Vancouver B.C., Toronto, Ont.

**MISCELLANEOUS****Clydesdale**

**Filles and Stallions**  
We have a choice selection of imported, prize-winners, from Scotland and Ireland in perfect conformation and the best of pedigree breeding. Write for details of our many years of successful experience in breeding and selection.  
SMITH & RICHARDSON, Columbus, Ont.

**YOUR MONEY'S WORTH IN BUYING YOUR**

Berkshire Blood Sows, Young Berkshire Pigs, White Loughborough Cooks, White Fawnstons, Cockerhairs and Jersey Calves, Including Beauty's Princess, a Prize Winner. From

**MAXWELTON FARM**

ST. ANNE DE BELLEVILLE. . . QUEBEC.  
Apply to the Manager

**AYRSHIRES**

**RAVENDALE AYRSHIRES**—A special offering of a splendid lot of Young Bulls, from the best of pedigree breeding. Write for prices and see them at the farm. W. F. KAY, Haverhill, Ont.  
G. T. ST. ARMAND, PHILIPPAUBURG, QUEBEC

**Burnside Ayrshires**

Winners in the show ring and dairy tests. Animals of both sexes, imported or Canadian bred, for sale.  
Long Distance Phone in house.

R. R. NESS. . . . HOWICK, QUE.

**AYRSHIRE BULLS**

Of choicest individual merit, sired by Duke of Ayr, the particularly good son of the best bull living of the champion R. R. W. BALLANTYNE & SONS' (butcher) and from dams of heavy milking strains. All ages. State about what you want and all information as to breeding and records will be gladly given. Can spare a few calves of fall 1912 birth.  
R. R. No. 3. . . STRATFORD, ONT.

**Tanglewylde Ayrshires**

Champion Herd of High-Testing Record of Performance.

A choice lot of Young Bulls and Bull Calves for sale from J. O. P. Dams, and by Royal Star of Bonnie Brase, a son of Eileen, E. of P. test, 13,265 lbs. milk and 538-40 lbs. fat.  
WOODSIDE BROS. . . ROTHSAY, ONT.  
Long Distance Phone.

**HOLSTEINS****Alfalfadale Holsteins**

We offer Male Calf, born Dec. 1912. Dam has a record of 827 lbs. milk and 54.4 per cent butter at 7 yrs. 3 mos. old. Her dam is now giving over 28 lbs. a day and 4 per cent butter at 1 year 10 mos. old. Merit sire. All our cows in R. of M. Will call anything in the barn.  
WILBER C. PROUSE, TILLSONBURG, ONT.

**ELMBDALE DAIRY HOLSTEINS**

A few Females for sale. Calves, Yearlings or Cows, 85 head to select from. Most of the young stuff sired by Paladin Ormsby (7865). Service bulls, Paladin Ormsby and Highland Colony Colantha (12,468).  
FRED CARP, BOX 113, ST. THOMAS, ONT.

**RIVERVIEW HERD**

Offers Bull Calf, dam 12.90 lbs. in 7 days; her dam a 27 lb. cow and G. dam a 28 lb. cow. Sire King Imbela Walker, whose dam and her daughter, dam and G. dam of his sire average for the four 30.7 lbs. each. Also a few A. E. O. cows.  
F. J. SALLEY . . . LACHINE RAPIDS, QUE.

**Holstein Dispersion Sale**

Watch Farm and Dairy for big announcement of my dispersion sale.—Horses and Implements. Feb. 25th; Holstein Cattle and Tomworts on the 13th of March.

J. McKenzie, . . . Willowdale, Ont.







**THE LATE PONTIAC KORNDYKE**

**T**HE Korndyke family of Holsteins is the most sought after strain of the present day.—This for the following good reasons:

☛ Pontiac Korndyke is the only sire to have 3 daughters with records above 37 lbs. each, or 4 above 36 lbs. each.

☛ He has as many 2<sup>nd</sup> daughters as any other 2 sires, and, barring Hengervald De Kol, as many as any other 3.

☛ He is a son of Belle Korndyke (25.7 lbs. butter, 7 days). Probably the most prettiest cow that ever lived.

☛ It was a son of Pontiac Korndyke that William G. Prouse, of Tillsonburg, Ont., recently bought from the Manor Farm, where he to be found two daughters of this world's greatest sire.

☛ It is a grandson of Pontiac Korndyke and by his most illustrious son, King of the Pontiacs, that heads the Manor Farm Holsteins. Orders for coming crop of his calves now being booked.

Write for the one you want, or come and pick out his dam.

**THE MANOR FARM**

GORDON S. GOODERHAM - BEDFORD PARK, ONT.

**CATTLE LABELS.** Metal marking for cattle, sheep and hogs—will stand and address of owner and numbers. That is without them. Send a post card for a sample.

W. G. James, Hovemanville, Ont.

**Patented Registered**  
**HOLSTEIN CATTLE**  
The Greatest Dairy Breed  
FOR FREE ILLUSTRATED BOOKLET  
Address: Holstein Friesian Assn., Box 148, Baltimore, Md.

**BREEDERS' DIRECTORY**

Cards under this head inserted at the rate of \$4.00 a line per year. No card accepted under two lines nor for less than six months, or 26 insertions during twelve months.

**YORKSHIRE PIGS,** all ages, either sex. Choice young boars, fit for service. Also Sows of all ages, bred and heavy with pig—H. C. Bennett, Woodstock, Ontario.

**FOR SALE—3** sons of King Fayne Segin Hokkide, from E. O. P. cows. Also three Circle Filles and 3 Stallions, Yearlings—H. M. Holtby, Manchester, Ont.

**FOR TANKWORTH SWINE—**Write John W. Todd, Gortnith, Ont., R.F. No. 1.

**SPACING** right here costs you only \$4 a year. It will save you \$100.00 worth of money to be out! Then come in! Write Farm and Dairy to-day about it!

**CIVILDALES,** Imp. Stallions and Fillies. Fresh importations always on hand. Every mare guaranteed to milk. W. J. A. Sempie, Milverton, Ont., and Laverne, Miss. U.S.A.

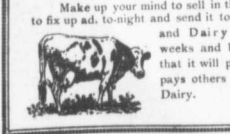
**Hosteins**

**Sell Your Surplus Pure Bred Holsteins** by advertising in these columns of Farm and Dairy.

Costs you only \$1.40 per inch. Takes your message to upwards of 16,000 possible buyers.

Farm and Dairy will sell your other pure bred stock also.

Make up your mind to sell in this progressive way. It will pay you to fix up ad-to-night and send it to us for next issue. Have it in Farm and Dairy for several weeks and be convinced that it will pay you as it pays others in Farm and Dairy.



**OUR FARMERS' CLUB**

Correspondence Invited  
**PRINCE EDWARD ISLAND**  
RINGS CO. P. E. I.

**GARDINGAN, Feb. 4.** We are having a peculiar winter so far, raining one day and freezing the next; no snow. Roads are hard and occasionally there is a fairly good wheeeling. Farm work is backward, such as hauling firewood and muck. Quite a few of our young men are attending the short course at Charlottetown on agriculture and dairying, which is from Jan. 27 to Feb. 7—H. F.

**QUEBEC**  
**SHERBROOKE CO. QUE.**  
**LENNOXVILLE, Jan. 31.**—We are having a most unusual winter; very mild, and not enough snow for lumbering purposes. Prices for farm produce continue high: Pork, 12½; beef, dressed, 6 to 6½, and other things in proportion. Feed is cheaper. Bran, \$2½ shorts, 35¢; corn meal, \$1.25; oats, 8¢. The lack of snow is likely to injure the meadows seriously.—H. M.

**ONTARIO**  
**NORTHUMBERLAND CO. ONT.**  
**HILLTON, Feb. 1.**—A very enthusiastic meeting was held in the Town Hall on the evening of Jan. 31, for the purpose of organizing a Farmers' Club. The attendance was good and a keen interest prevailed throughout the meeting. Mr. E. B. Duncan, Dist. Rep. of Agriculture of Port Hope, spoke at length on the benefits and advantages to be derived from the organization. Mr. C. G. Bantua, who occupied the chair, called upon Mr. H. Adams, M. E. Deane and others to express their views in reference to Farmers' Clubs. On motion a vote was taken, and carried to organize a club to be held at Wooler, and known as the Wooler Farmers' Club. A constitution was adopted, and officers elected as follows: Pres., W. Adams; Vice-Pres., M. Deane; Sec., J. Adams; Executive Committee, E. Nelson, C. F. Woessie, F. Dorland, Lorne Darling, Leslie Richards; auditors, I. C. McLean, A. Lindsay. A membership of 50 was enrolled, with prospects of as many more. It was decided to hold meetings the first and third Thursdays of each month, and the Executive arranged a program for the first meeting. It will be a discussion of small fruit, held by M. E. Deane, and by Mr. Adams and Edward Nelson. At the second meeting, seed corn will be discussed by O. F. Woessie, and size and silage by M. E. Maybee and Leslie Rich.

**WATERLOO CO. ONT.**  
**WATERLOO, Feb. 5.**—Sleighting has left us, and we have returned to the snow. So far we have had so very mild winter. The weather has been very favorable to cut firewood and haul out the manure as it is made. This method of handling manure seems to be growing in favor as it lessens the work in the busy season. There seems to be such a scarcity of hired help as we have never before. The Farmers' Institute meeting in Waterloo could not be held this week owing to a slight snow storm. Prices for Beans are more plentiful, and the price has dropped to 28¢ to 30¢—C. H. B.

**HURON CO. ONT.**  
**ELY, Jan. 31.**—We have been enjoying beautiful mild weather all through January. There is good sleighing in the northern sections, and none further south, something very unusual. We have had no snowstorms as yet. Many farmers are getting their winter work well done up. Institute meetings are being largely attended, which shows a progressive spirit among the agriculturists, no matter what line they may be following. Farm produce prices range high—E. B.

**LINCOLN CO. ONT.**  
**GAINSBOROUGH, Feb. 6.**—A meeting of the farmers of Gainsborough Township, County of Lincoln, Ont., recently adopted unanimously the following resolution: Moved by Hugh B. Brooks, seconded by M. H. Carson, that "the members of the Township Township of Gainsborough, in town meeting assembled, by a standing vote declare against the taxing of improvements on the farm." Whereupon a resolution, we are advised, is a prominent Conservative, and the seconder a prominent Liberal. The chairman of the meeting was Mr. B. P. Brown—E. D.

**ALBERTA**  
**STRATHCONA DIST., ALTA.**  
**RED DEER, Jan. 30.**—The farmers, especially the dairy farmers, of Central Al-

berta, are enjoying a very profitable season. Prices for all dairy products are high. Milk is worth \$1.25 cwt. delivered at the factory of the Laurentia Milk Co., of Alberta, Ltd., or at our station: sweet cream, 40¢ a lb., butter-fat, and cream, 45¢ a lb., or 40¢ a lb. Our patrons' nearest station, Edmonton city dairies are paying \$2.40 a cwt. for milk delivered at Edmonton, and \$2.30 a cwt. delivered at Calgary, and the above prices for sweet and sour cream. Dairy butter, 30¢ a lb.; fresh cheese, 40¢. The weather is very mild, very little frost or snow. Who would not enjoy living in "Sunny Alberta"?—T. B. M.

**CLYDE MARES AND GRADE HOLSTEINS AT AUCTION**  
In the unreserved auction sale of Mr. Samuel Johnston, near Trent River P. O. Ont., two valuable Clydesdale mares will be included. One of these is Baroness Cairnhill (6490). She was bred by John Cairnhill, investment, Ont., and is sired by Cairnhill (Imp.) The other mare is her daughter, Queen Minnie (32566). She is by Vigorosa mare. These mares would prove a valuable acquisition to any farmer who is looking for the best. Mr. Johnston is also drafting, 4 yrs. old, and a colt 5 mos. old, this latter being a gelding close to perfection, out of Baroness Cairnhill, and with an interest in the farm equipment is going into the sale, as he has sold his farm, and is selling positively without reserve. He is also the owner of a large number of pure bred Holstein cows, and will surely want to be on hand to get their pick of his 19 highly graded Holsteins, most of which are over 7 years old, and sale will commence at 1 o'clock. The noon train will be met on the day of sale at Havelock Station, Thursday, February 20.

**STOCK OF COQUITLAM**  
Among the Holstein aristocrats at the Colony Farm in Coquitlam, B. C., may be mentioned the big show bull, Merocha Vale (5623), by Count Merocha Peck (4902), and out of De Kol Peckline Saxon (4982) and with a pedigree practically wherever his blood is shown, and his stock shows the impress of this sire. Another bull is Aggie Corrie Corrie (9774), by Aggie Corrie Brown De Kol (45079), and out of Margie Newman (76312). Another bull that is sure to leave his impress on future generations is the sire bred by Korndyke Butcher Boy (8486), and out of Pride of Orchard Hill (15743). Each of these bulls show blood character and constitution.

The herd at pasture shows good well-developed udders and large, crooked milk veins that indicate good returns of milk, and being in good thrift; producing condition, the returns at milking time demonstrate that they are of the right kind to produce young stock that will build up good dairy herds in British Columbia.

At the annual dispersion sale held at Colony Farm on November 25th last, one of the best of the spendid price of \$1.25, while the average price paid was over \$460. This in itself is conclusive proof of the quality and breed of the stock.

**The Horses**  
Of horses there are about 60, young and old, on the farm, the big quantity of mature horses being of the best quality. Last season six Clydesdale foals were reared and there are now some 30 big mares nearing breeding age, while four yearlings were reported recently and are in foal to such well known as Baron O' Buchlyvie, The Dunce, Baron Prince and Sir Hugo.

The Clydesdale stud is headed by Bow-bow Hill, one of the best of the breed. The hill, Baron, well known in 'Canadians show rings; at the Dominion Exhibition at Regina in 1911, he won first place in a Reginald four-year-old class. Welcome Guest is a now arrival; he is a big two-year-old, bred by Baron Beaulieu, and owner of Betty Oms younger, prior to importation, at local shows in Scotland.

Of the many other sires, by Scotland Yet, and of the many other sires, by Baron Mitchell, carried off top honors in her class at Toronto and Ottawa, and in 1911 won at the E. H. Craigmear and above her. The mare, Craigie Winsome, May of Belet and Flora would like to say its pedigree of the Clyde stud at Colony Farm. With the Hackney, Brigham Hand, the great and stylish prize-winner, heads the stud.

**A GREAT** The great to be wanted in cattle in Great Britain. Feb. offering a heifer can shortly be seen in their performance. The official reliable record of five seasons of which Every Dairy, at this sale, offering detail the formation of the Munk which mare sire. Correct the milk vigorous, Butler B. Bester, in his owned pool (N. large record freshens and his dam, The Canada, A. B. O. 281 dam cows.

Changeling chest new, sister, her in a dairy. The buttermilk of merit, show cwt milk in her weight 3½ lbs. 37.2 lbs. year, and in 7 cows of individual daughters.

Lakervic young six low are is sired Kol, who domestic, Anthea 4th butter in Hengervald daughters, lbs. butter, Dirlke Peck 23 lbs. will be larger ter of De 23 A. B. O. 281 Butter Bo 60 daughters. Meats engaged in has had herd. This above an critic. Plan to your chosts. Tin moreover, they alone in of milk. and in Bede's follows, particularly

**ONTARIO**  
The Ontario vention Va Feb. 13-14, its proceeds of fund materially of fine several va While th

A GREAT SALE OF HOLSTEIN FEMALES

The greatest opportunity yet presented to would-be purchasers of Holstein cattle in Canada will be going at the great Munro and Lawless sale on Tuesday, Feb. 25th, 1913. Almost the entire offering is of young cows, heifers and heifer calves. The cows are fresh or shortly to freshen. A feature of these cattle is milk in that many of them are in their three-year-old form, with all their period of greatest usefulness before them, and yet they have been tested officially and have to their credit favorable records, which add to their value and give assurance of what these cows will do when they mature.

Every Holstein reader of Farm and Dairy, and as prospective purchasers at this sale, will want a catalogue of this offering, since the catalogue explains in detail the breeding. For the advance information of our readers we note the following breeding of the two bulls heading the Munro and Lawless herd, and by which many of the heifers in the sale are sired:

Correct Change, 11,319, the bull to which the milking herd are bred, is a large, vigorous, young bull, sired by Changing Butter Boy, out of Tidy Abbecker's Prince Betina, a 2,215-lb. 3-year-old daughter of Tidy Abbecker Prince. This heifer is owned by Stevens Brothers Co. at Liverpool, N. Y., who expect to make a very large record from her when she next freshens. Her sire is a fine individual, and his offspring inherit this quality. His dam, Tidy Abbecker, was long known as the Canadian champion. She has an A. R. O. record of 27.39 lbs. and has two 25-lb. daughters, both of them fine show cows.

Changing Butter Boy, the sire of Correct Change, has over 40 A. R. O. daughters now, with others coming. His full sister, Ready Change, gave 150 lbs. milk in a day, 31.15 lbs. butter in 7 days, 129.2 lbs. butter in 23 days, and is a show cow of merit. His dam, Changeling, also a show cow of renown, produced 100 lbs. milk in a day, 29.23 lbs. butter in 7 days, and with her daughter, Ready Change, weighs 3,800 lbs. His sire, Pontiac Butter Boy, is brother to the dams of Pontiac Rae Apple, 3,135 lbs., a cow that has for 83,000, of Pontiac Clothilde De Kol 2nd, 37.21 lbs. butter in 7 days, 1,271.6 lbs. butter in a year, of Pontiac Jewel, 30.74 lbs. butter in 7 days, 99.3 lbs. butter in a year, and of Pontiac Artia, 31.17 lbs. butter in 7 days, 1,067.9 lbs. butter in a year, cows of fame as producers, and splendid daughters. He is also sire of 64 A. R. O. daughters—3 with records over 30 lbs.

Lakewood Burke Payne 2nd, 11,241, a young sire from which Munro and Lawless are offering several beautiful calves, is sired by Count Hengerveld Payne De Kol, whose sister, Grace Payne 2nd's Hengerveld's Count De Kol, has 99 A. R. O. daughters, four with records of over 30 lbs. butter in seven days. His dam, Dinkle Pe Burke, has a record of over 19 lbs. butter in seven days, which she will largely increase, and she is a daughter of De Kol Hengerveld Burke, who has 25 A. R. O. daughters, two of them with a record over 30 lbs. His sire, De Kol 2nd's Butter Boy led, has 112 A. R. O. daughters and 46 sons that have sired A. R. O. daughters.

Messrs. Munro and Lawless have been engaged in the milk business. Their herd has had to make good at the pail. The cattle being offered are the cream of the herd. They are being offered as being above anything but the most favorable criticism. During the past year their herd, over one-third of which have been heifers with first calf, has averaged, for the 45 milking, over 1150 a week at wholesale prices, besides feeding the calves.

Plan to attend this great sale and get your choice of these prime young Holsteins. These cattle are bred right, and, moreover, they show their breeding not alone in quantity but in their quality of milk. Seven of the cows recently tested at Record of Performance gave tests as follows: 13, 15, 40, 10, 19, 42, 31. See particulars in the catalogue.

ONTARIO CORN EXHIBITION, WINDSOR  
The Ontario Corn Exhibition and Convention which will be held in Windsor, Feb. 13-14, promises to far outdo any of its predecessors. The price-list has been materially increased, and a large number of fine sweepstakes are offered, including several valuable prizes.

intense but little over four years, and has held but four shows, it has grown from a small beginning when but \$100 were given in prizes to an organization that is offering over \$1,500 in prizes for corn alone at the coming show. The improvement in the corn shown since this work began is very noticeable, and as it can be truly said that "Corn is King" in South-Western Ontario, the work of the association is by no means finished yet.

Several speakers of international reputation will address the meetings in connection with the show. Among them are: Prof. R. A. Moore, Wisconsin Agricultural College; Prof. A. E. Chamberlain, Development Commissioner, Great Northern Ry.; Dr. G. C. Creelman, Hon. Jas. Duff, Prof. C. A. Zavitz, Prof. M. I. Mosher, Iowa, and others. Such an array of speakers have seldom been brought together in this country, and prospects indicate that the meetings will be very profitable.

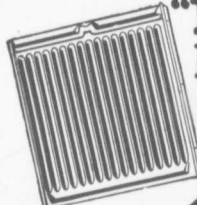
The Ontario Corn Growers' Association, under whose auspices the Ontario Corn Show is held, is an organization of farmers in South-Western Ontario.

# 20 Head Registered Jersey Cattle

## Also Registered Oxford Down Sheep, Horses, Farm Stock, and Implements will be sold at Credit Sale, March 7th, 1913

The property of the late Thomas Weir, lot 16, concession 4, Scarborough; 1 mile from Brown's Corners, C. P. R.; 3 miles from Malvern, C. N. O.; 4 miles from Markham, G. T. R.

W. W. IRWIN, } Executors  
FRANK WEIR, }  
Agincourt, P. O., Ont.



# "My New 'George Shingle' Is Good for 100 Years. Use it and my Corrugated Iron on Your Barn. Save the Cost of Wood."

"HERE is my new 24 x 24 inch 'George' Shingle in 100-year metal. It saves barn roof cost, is non-leaking and fire-proof, and saves labor time in laying. My son, the late Geo. H. Pedlar, Jr., invented this 'George' shingle. It pays to use it."



"YOU can make your barn fire-proof, and cheaper than a wood barn, by using my 'George' Shingle and my Galvanized Corrugated Iron on roof and walls. This is the new way to make barns economically."



"Hand labor costs so much, and lumber is so poor and high-priced now-a-days, that it pays to use my labor-saving metal specialties. You build a barn that is lightning-proof, fire-proof, strong, warm, dry, as compared with wood. In nearly every case, you save actual money. As compared with wood, you save all after-cost for repairs and paint. My barn doesn't need these things."

"Build or repair your barn the modern way. My new book shows how it is done. It pictures a barn from start to finish. Send for it, friends, and learn how to make the best kind of barn."

# Get My New Book FREE



"I WILL gladly send you my book for a post card. It is full of pictures. The finished barn is lightning-proof, wind-braced, dry, warm, clean. It needs no repairs or painting. It saves insurance. It costs about the same as wood, or less. Get the book to-day."

## The PEDLAR PEOPLE LIMITED

Established 1861 OSHAWA, CANADA  
TORONTO 113 Bay Street 321-3 Craig St. MONTREAL 432 Sussex St. OTTAWA 45 Cumberland St. PORT ARTHUR 86 King St. LONDON  
CHATHAM QUEBEC ST. JOHN, N.B. WINNIPEG  
200 King St. W. 127 Rue du Port 42-46 Fr. William St. 76 Lombard St.  
MEDICINE HAT EDMONTON -- Toronto St. HALIFAX  
-- Toronto St. 563 3rd St. W. 16 Prince St. 202 Fairford St.  
SYDNEY SASKATON CALGARY 434 Kingston St. VICTORIA  
194-208 George St. Box 1845 Rim. 7, Crown Block VANCOUVER 484 Lethbridge  
108 Alexander St. 1262 1st. Ave. So.

Address nearest Office for "George Shingle," Book No. 152

THE SHARPLES MECHANICAL MILKER

**If You Keep 20 or More Cows We Want You to Have This Free Book**

It shows the Sharple's Mechanical Milker at work in large dairies; tells what other dairymen think of these wonderful machines; shows how much more profit you can make on every quart of milk your cows yield; proves that

**The Sharple's Mechanical Milker** cannot possibly injure the finest animals; shows how it completely solves the milking problem; frees you from this most irksome job; makes you independent of "hired help" and adds \$30 to \$400 more each year to your dairy profits. "The Sharple's" is the only mechanical milker having

**"The Teat Cup with the Upward Squeeze"** absolutely preventing congestion and swelling of the teats; removes the last stubborn block in the way of mechanical-milker success. Read what Henry Fielden, Supt. of Bradford House Farms, Grafton, Conn., owners of one of the highest priced dairy cows in the world, has to say in one of the most profitable investments that we have ever made on this farm.

Write for Free Catalogue  
**THE SHARPLES SEPARATOR CO.**  
Toronto, Can. Winnipeg, Man.



**SYNOPSIS OF DOMINION LAND REGULATIONS**

Any person who is the sole head of a family or any male over 18 years of age, may homestead a quarter section of available Dominion land in Manitoba, Saskatchewan, or Alberta. The applicant must appear in person at the Dominion Lands Agency or Sub-Agency for the district. Entry by proxy may be made at any agency, on certain conditions by father, mother, son, daughter, brother, or sister of intending homesteader.

Duties—Six months residence upon and cultivation of the land in each of three years. A homesteader may live within nine miles of his homestead on a farm of at least 30 acres solely owned and occupied by him or by his father, mother, son, daughter, brother, or sister.

In certain districts a homesteader in good standing may pre-empt a quarter-section alongside his homestead. Price, \$10 per acre.

Duties—Must reside upon the homestead or pre-emption six months in each of six years from date of homestead entry (including the time required to clear homestead patent) and cultivate fifty acres extra.

A homesteader who has exhausted his homestead right and cannot obtain a pre-emption may enter for a purchased homestead in certain districts. Price, \$10 per acre. Duties—Must reside six months in each of three years, cultivate fifty acres and erect a house worth \$500.

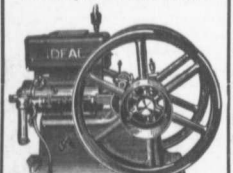
W. W. COOPEY

Deputy of the Minister of the Interior. N.B.—Unauthorized publication of this advertisement will not be paid for.

**GASOLINE ENGINES**

12 to 50 H.P.

Stationary Mounted and Traction



**WINDMILLS**

Grain Grinders, Water Boxes, Steel Saw Frames, Pumps, Tanks, Etc.

**GOOLD, SHAPLEY & MUIR CO., LTD.**  
Branchford Winnipeg Calgary

**CEMENT Sewer Pipe**  
and all sizes of Drain Tile, Cement Brick, Silo Blocks  
For Sale by **JOY & SON**  
278 DUNDAS ST., NAPANEE, ONT.  
Special prices on car lots  
Write for prices

**125-Egg Incubator and Brooder** for \$13.75  
If ordered together we send both machines for only \$13.75 and we may all freight and duty charges to any R. R. station in Canada. We have branch warehouses in Winnipeg, Man. and Toronto, Ont. Orders shipped from nearest warehouse to your R. R. station. Hot water, double walk, dead-air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Especially adapted to Canadian climate. Incubator and Brooder shipped complete with thermometers, lamps, egg testers—ready to use when you get them. Five year guarantee—will still trial. Incubators finished in natural colors showing the high grade California Redwood lumber used—not painted to cover inferior material. If you will compare our machines with others, we feel sure of your order. (Don't forget you get 200 or 100 more eggs—it pays to investigate before you buy. Remember our price of \$13.75 is for both Incubator and Brooder and covers freight and duty charges. Send for FREE catalogue today—we send in your order and save time. Write us today. Don't delay.)  
**WISCONSIN INCUBATOR CO., Box 216, Racine, Wis., U.S.A.**

**GOVERNMENT ANALYSIS**

Send to the Department of Inland Revenue, Ottawa, and ask for Bulletin No. 241 on Registered Stock Foods. It will be sent you FREE of all costs. In this Bulletin you will find the analysis of the different livestock preparations. You will also find that **MOLASSINE MEAL**, referred to on pages 6, 7, 12 and 13, is found to be 50% above the guarantee in proteids and fat—and below its allowance of fibre or waste matter.



**MOLASSINE MEAL**  
*Made in England*

Do not confuse **MOLASSINE MEAL** with other molasses preparations. There is only ONE **MOLASSINE MEAL** and that is made in England. It is recognized all over Great Britain as the greatest Livestock Feed known to science.

The leading veterinary surgeons all recommend it—The Mounted Department of the British Army use it—The Large Carting Companies, Omnibus Companies and owners of horses doing heavy work or for show and breeding purposes, all use it. It prevents and eradicates worms, enables you to get the best work out of horses—Cows will give more milk with greater percentage of butter-fat—Steers can be fattened for market quicker and cheaper and all your stock will be in better condition when fed regularly with **MOLASSINE MEAL**.

**MOLASSINE MEAL** can be obtained at most leading Feed Dealers—but if you can't get it from your dealer write us direct and we will arrange with him to supply you.

**How To Make More Money**  
We want you to write to-day for our Free Booklet on feeding livestock and all about **MOLASSINE MEAL**.

**THE MOLASSINE CO. Ltd.**  
**LONDON, ENGLAND**

Distributors for Canada  
**L. C. Prime Co., Ltd., St. John, N.B.;**  
**402 Board of Trade Bldg., Montreal;**  
**Pacific Bldg., Toronto**

Fill in the following Coupon and Mail To-day

**MOLASSINE COMPANY, LTD.**  
402 Board of Trade Bldg., Montreal, Que.  
Please send me your Free Booklet telling me all about **MOLASSINE MEAL**.  
Name.....  
Address.....  
Name of Feed Dealer.....  
Address.....