

Issued Each Week—Only One Dollar A Year

VOL. XXXII.

NUMBER 27

# FARM AND DAIRY

AND

## RURAL HOME

PETERBORO, ONT.

JULY 3

1913



**A NEVER FAILING SOURCE OF SOLID SATISFACTION TO THE FARMER**  
What farmer does not enjoy the garnering in of a bumper crop of hay? It is a reward of merit. The actual harvest has been preceded by many days of hard labor intelligently and consistently directed. Then followed anxious weeks of weather watching; and now comes the harvest, the reward of it all,—and even greater necessity for care and skill. The stage at which the clover or grass is cut, the methods followed in curing, the weather,—all these have their influence in determining whether the crop will be No. 1 or inferior. The first two factors are entirely in the hands of the farmer. Haying, as conducted at the Government Farm, Mount Coquitlam, B. C., is the subject of the illustration herewith.

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

## A REVIEW OF CROP CONDITIONS IN ONTARIO

## Save Time

and

## Save Labor

By using a  
Large-capacity

## "Simplex"

## Cream Separator

and thereby

## Increase Your Profits

The 1,100-lb. "Simplex" cream separator, when at speed and skimming, takes no more power than the ordinary 500-lb. separator of most other makes.

The "Simplex" turns easier than most other hand separators, regardless of capacity. The large capacity "Simplex" does the work in half the time.

The women folks will appreciate the easy-to-clean "Simplex" with its low-down, handy supply on only 3/4 feet from the floor.

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Get our estimate also of what it will cost you to milk your cows with a

## B-L-K Milker

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UNUSUALLY cold weather and a prolonged drought has been general all over Ontario so far this season. The drought has recently been broken by general showers and the thermometer has moved up several degrees. Hence grains and root crops still have an opportunity of reaching out to a good average. Hay, however, will be short in almost every section of the province. Fall wheat will be good.

This in brief is the way in which Farm and Dairy crop correspondents sum up the situation in Ontario. Almost all are agreed that the hay crop will be away below average. Some correspondents do not look for more than half a crop. Last winter was a severe one on both alfalfa and clover and consequently the crop that is harvested will be largely timothy and native grasses and not of average feeding value. There are exceptions, however, to this general rule. South Western Ontario appears to have had more favorable growing conditions than the rest of the province. One Farm and Dairy correspondent in Middlesex, Mr. Jas. E. Orr, looks for a good average crop of hay. So do D. N. Anderson and W. A. Barnett in the neighboring counties of Lambton and Essex.

## SEEDING CONDITIONS GOOD

If growing conditions have not been of the best, seeding conditions could hardly have been more favorable. All crops were gotten in in good shape and this will help out if we have good growing weather from now on. An unusually large acreage of corn has been planted in all sections of the province, the increase being particularly noticeable in the southwest where corn growing is becoming more and more a specialty. Following is a synopsis of the reports of each of our correspondents:

"Hay is growing very little. Grain, corn and roots are doing fairly well considering the dry weather."—J. A. Davidson, Carleton Co.

## HAY NOT WORTH OUTTING

"Hay is very poor and a large number of old meadows will not be cut, as the average by haying will be only 200 lbs. to the acre. New meadows will be half a crop on good land and on poor land considerably less. Beaver hay is above the average. Grain is short in its straw, but a good stand and will yield well. Peas are poor corn better than last year's at this date, potatoes coming on well."—J. A. Seymour-Taylor, Haliburton Co.

"Spring grain very fine. Fall grain good. Meadows generally poor. Much corn had to be planted over, which will make the crop late. Potatoes are looking well and no bugs as yet."—J. Kelly, Hastings Co.

"Present indications do not point to a heavy crop of hay. Nearly all alfalfa meadows were killed. Timothy is thin and red clover very little better. Spring frosts injured barley. Rye and oats are good. Corn and roots are making good growth."—H. S. Tucker, Hastings Co.

## IN WESTERN ONTARIO

"The crop outlook is good with the recent rain. Hay will be short but grains never looked better. Fall wheat is heading out well. Mangels and sugar beets are an extra good stand. Turnips and buckwheat are coming along well."—A. B. Snyder, Waterloo Co.

"We had dry weather up to June 19th. Clover is in full bloom and will stay short. Timothy will stretch out some. Wheat is of fair length; better than last year. Barley is short; oats with good weather should be an average crop. All kinds of roots and corn promise well."—C. H. Shuh, Waterloo Co.

"Crops are not up to the usual standard owing to continued drought following the dry spell. Recent showers bring everything on finely except clover, which is in full bloom and too short to cut. Rye are late, but will make up at once."—Geo. Wright, Wellington Co.

## SHOWERS HELPING OUT

"Crops made very little growth up to the first week of June. Since that with occasional showers and warm weather they have grown very rapidly. Red clover will be short, but thick on the ground. Timothy will not be nearly so heavy as last year. Wheat will be better with a smaller acreage. Grain is doing well. Corn and roots are making a good start."—C. A. Whetham, Renfrew Co.

"A very dry spell has cut the hay crop almost in half. Frost also has hurt it. We have had a refreshing rain. Wheat is a fair crop, on average, spring grain doing well. A good acreage of mangels and turnips has been sown."—G. B. Syme, Waterloo Co.

"Clover is good; old meadows poor. Wheat and spring grain are looking well. Early planted corn is poor; late good."—J. E. Jewson, Wellington Co.

## IN NEW ONTARIO

"All crops are three weeks behind last year. We need rain. Grass is poor, clover promising well, and alfalfa is one for high where ground is in good cultivation. Potatoes have been touched by the frost. With rain soon good returns generally are looked for."—E. E. Showell, Nipissing Co.

"Field crops are looking well. Hay will reach a full average. Corn is growing rapidly now."—C. S. Burton, Simcoe Co.

"Fall wheat looks well but is short in straw. The hay crop will be lighter than last year. Recent rains will help it out. Spring grains, corn and roots will be good crops."—Wm. Lockhart, Simcoe Co.

## HEALTHY BUT BACKWARD

"Crops look healthy, but are rather backward owing to drought and cold. The hay crop is rather backward."—Mrs. Chas. Pollard, Grey Co.

"Seeding was early, but cold weather has checked growth. Clover is almost a failure and timothy light. Hood crops promise poorly. Fall wheat is better than last year."—Jas. A. Lamb, Bruce Co.

"All spring grain has the appearance of giving a heavy crop. Old weather has kept things backward and harvesting may be a little late. Hay, old meadows especially, is light, not more than half a crop."—J. E. Livingstone, Bruce Co.

"Hay will be half a crop or less. Corn is promising well. All grain doing nicely. Pastures are dead. Everything needs rains."—Geo. Swale, Bruce Co.

"Hay is very light and short. Old field on heavy loam will yield an ordinary crop. Wheat is 60 to 65 per cent. of an average. Barley was injured by frost. Oats are short but picking up."—Chas. Macfie, Middlesex Co.

## AN ENCOURAGING REPORT

"Weather conditions have not been conducive to an average crop. Crops are now pushing and Meadows will be below the average. Some good clover is seen. Pasture first class. Fall wheat has held well; other grains too are doing well. Middlesex will have a good average crop this year."—Jas. E. Orr, Middlesex Co.

"Wheat is the best in years; not normal; hay good; corn coming in well and potatoes normal."—J. E. Kennedy, Kent Co.

(Continued on page 19)

Issued  
Each Week

Vol. XXXII.

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Issued  
Each Week

# FARM AND DAIRY & RURAL HOME

Only \$1.00  
a Year

Vol. XXXII.

FOR WEEK ENDING JULY 3, 1913

No. 27

## HOW TO GET THE BEST OUT OF HIRED MEN By an "Ex-Hired Man"

**A Farmer, who once Worked for Farmers, Discusses the Question of Managing the Hired Help from his own Observations, both as an Employer and a Hired Man—From First Hand Experience he Tells of the Likes and Dislikes of the Laborer.**

FOURTEEN years ago I started working as a hired man on a dairy farm. For the past seven years I have managed my own farm, and from this double experience I have good reason to know that the most delicate questions that the average farmer is ever called upon to decide are connected in some way with his hired help.

How to maintain the attitude towards the hired man or men that will keep them in good spirits and friendly towards their employer, and at the same time to be firm enough that the men will know that commands must be obeyed, is the hardest mental attitude to attain of which I know. There are, however, a few general likes and dislikes characteristic of practically all hired men and all other classes of men, to which we farmers must cater if we would have satisfactory help.

### PROGRESSIVE FARMERS FAVORED

My experience is that a hired man likes to be with a going concern. Just the other day at the customary picnic I heard a bunch of hired men discussing their joys and grievances.

"Work for that man," exclaimed one derisively. "Why, I wouldn't be seen off the farm with his team of rackabones. It would be bad enough to have to whip those crippled old mares of his with nobody around to see."

"Yes, I left him last fall," another remarked. "I couldn't stand it feeding straw to those frames that he called cows any longer."

These remarks reminded me of an experience that I had myself when a lad of 20 years. I had answered an ad. in a paper and had written that I would go and look at the place. The farmer met me at the station. The first disappointment was the honey house and rickety wagon. We drove about four miles and finally reached "home," as this farmer called it. I didn't see anything home-like about it. There wasn't a tree within a hundred yards of the unpainted house. The barns would most surely have fallen down if they hadn't been leaning against each other. The fields were weedy. The fences were in disrepair. The cattle standing around the barnyard fitted in finely with their dilapidated surroundings.

I did not stay there. I went and hired with one of his neighbors, whose home really looked homey, and who I could see was a real farmer who took a pride in his occupation.

### WHOSE FAULT WAS IT?

The man whom I had originally come to hire with did not get a man until the season was half over, and then he had to take a fellow whom nobody else would have. He couldn't understand his hired help. I don't suppose he has yet realized that men who have their labor to sell like to sell it to a going concern.

I have always kept this in mind in my own farm



**A Useful Pair of Twins**

These two big stave silos are on the farm of Geo. H. Montgomery, Missisquoi Co., Que. In these silos is preserved the corn which constitutes the basis of the ration fed to Mr. Montgomery's splendid herd of milking Ayrshires.

see. I do not consider that there is anything unusual about this. I know from my own experience as a hired man that when I got a good thing to look after I looked after it well.

### "A THORN IN THE FLESH"

Did you ever stop to think that to be behind with the farm work is a thorn in the flesh of the average hired man. You may argue that it doesn't matter to the hired man whether you are up with your work or not, that he is paid so much by the day or month, and that if there is any loss from being behind you are the loser.

This argument reminds me of a little experience of mine. I was working in Oxford county at that time, and working for a good farmer too; but he seemed to have a faculty of being just a little behind all of his neighbors in getting his crops in. The derisive remarks of neighboring hired men made me so good and sick of that place that I quit.

We should remember that our hired men discuss the progress of the season's work among them-

selves just as we farmers do. If you will put on your thinking cap you will probably remember having heard your hired man remark, "We got the last of our corn in today," and have seen his face fall when one of the neighboring men remarked, "That's nothing. Our corn field is beginning to show green all over."

### SYSTEMATIC WORK PREFERRED

But if there is anything that will try the temper of the hired man it is being sent around from one small job to another, completing none of them. Just eight years ago now I was acting as herdsman in one of the biggest pure-bred dairy herds in Canada. I was getting good pay and my work quite light; but I only stayed there four months! Here was my schedule for the last afternoon I was there:

At one o'clock I started to clean calf pens. Had just gotten well started at that job when the boss decided that he would fix up the silo; it had caved in on one side. We worked about an hour at that when the boss was again afflicted with a change of mind and decided that the silo could wait while we repaired the orchard fence. We really completed that job. During the rest of the afternoon we started to put a fence around the pig yard, heeded a short time in the kitchen garden, mowed part of the lawn, started to clean some harness, and finally got the cows in for milking a half hour late, and only one complete chore to show for the afternoon's work. That man was the most erratic I ever worked for. He never had any complete schedule ahead of him, but just went for everything the first minute it came into his head.

### A GOOD MANAGER ADMIRER

It has been my experience that men do not mind having the day's work mapped out for them. They admire a man who can lay out their work and knows to within a few minutes just how long a job should take. The hired man is a reasoning being. He knows that he is paid to work and not shirk, and so long as the farmer, in fair in his demands he will do his best to live up to his schedule.

I have left the most difficult part of hired men management to the last, principally because it is a problem that I have not altogether solved myself. That is, the manner to be adopted by the employer in dealing with his men.

I do not like that word "master" that is so frequently used by farmers. It doesn't show the right relationship between employer and employed. I believe that the nearer we come to making the men feel that they are partners in our enterprise, the better they will work. There is no place on the farm, particularly in this new and democratic country, for the farmer who goes around with a stately bearing and never opens his mouth except to give orders. That doesn't go here, although I have seen a few men who say that "it's the only way to keep a man in his place." Such a man is rarely the one best served.

Occasionally there may be a man who must be dominated over, or he will not work. They say that the negro is that kind of a laborer, though I cannot say from experience. The proper attitude, however, for the average man on the Cana-

dian farm is a nice blending of friendliness and firmness. If I see any of my men getting slack in their work I never hesitate a minute in calling their attention to it, and I have never known them to very seriously resent it.

What hired men hate above all things is the man who does not call their attention to their deficiencies, but who goes around with a surly bearing and may sulk for a month about a hired man's misdemeanors, but never goes to him and tells him about it in a straightforward, manly manner.

I have found that giving my hired help a small present, such as an addition of \$2 to \$3 to their monthly wage when they have been particularly faithful, along with a word of praise, does a world of good in maintaining a spirit of good fellowship on the farm. I would rather give a present than a rise in wages. The rise in wages the man soon comes to regard as his right, while the present he regards as a gratuity and has that much more respect for you.

It also pays to show interest in the man personally. For instance, if his wife or children happen to be sick, do not forget to inquire about them each day and to express your sympathy.

If you are going to town bring the hired man's supplies along with your own. It may be a little trouble, but it's worth while.

I know from my own experience and the testimony of dozens of hired men that where the hired men are boarded in the farmer's own house, that the farm women have more to do with their contented state of mind than has the employer. A "superior" attitude on the part of the farm wife, some little slighting word, and the hired man is in rebellion. And I don't blame him. He has feelings just as the rest of us have.

We ourselves, however, have gotten around that difficulty nicely. We have two men at present, one of them is married and occupies a cheap but attractive cottage. That was one of the first additions that I made to the farm buildings when I moved on seven years ago. That cottage is not such a shack as many farmers designate as the hired man's house. It only cost me \$700 or \$800 to build, but it is attractive, well painted, with running water from our own tank.

#### THE WOMEN WOULD STAY

Even if my man did want to move, which he doesn't, he couldn't get his wife moved out of that cottage. My other man, a young fellow of about 20, boards with the married couple. If he does want to get married and stay on with me, I won't hesitate a minute in putting up another cottage for him. I will consider it a good investment.

These cottages are not altogether unproductive, by the way. My men pay a nominal rent for them and in this way I am able to pay the men that much greater wages. It makes them feel independent to be paying rent for their home, and also it makes them feel good to be able to state that their wages are so and so, which sounds greater than the wages paid to neighboring hired men who get their cottages free of rent.

I haven't mentioned the question of amount of wages at all. I feel that the wages we farmers can afford to pay, as has been expressed in Farm and Dairy so often, depends not so much on the kind of men we have as on the kind of managers we are. Where each day's work is well mapped

out with good teams and good machinery, one can afford to pay wages that puts him above competition in the labor market and still makes his hired help profitable.

### Our Hay Making Methods

H. C. Blair, Pictou Co., N.S.

Haymaking is an operation that permits the application of a wide range of methods. Individual practice depends upon the conditions met with. Our own methods are what experience has taught us are best suited to our conditions.

Our hay crop ranges all the way from pure clover to pure timothy. As we cannot grow corn as successfully as can our Ontario brethren, a short rotation is more difficult for us to follow. For that reason we usually sow a mixture of timothy and clover and leave our land in hay about three years.

We usually commence haying the first week in July, cutting our pure clover first. We keep a close watch on it and cut the first field that shows



"It's Just About as Good as Bran and it's Crown at Home"

That the recommendation that W. O. Morse, Halton Co., Ont., give his alfalfa, which he may be here seen cutting, Mr. Morse does not consider the first of July too late to seed alfalfa if the land has been properly worked during the early part of the season.

a bit of brown. We like to cut the first lot a bit on the green side as we strike a better average for the entire crop. We consider conditions ideal when the blossoms are one-third brown.

#### TRIM THE FENCE ROWS

We start the mower when the dew is off, usually about nine o'clock, and mow till noon. In the meantime one of us takes a hand scythe and does any necessary trimming around the fence corners. This does not take very long, and we believe that a job worth doing at all is worth doing well.

About 10:30 we start the tedder and run till noon. After dinner the boys runs the tedder over the hay cut just before noon and then commences to rake.

We consider the tedder a great time saver. During the very unfavorable haying weather of 1912 we felt that the tedder paid for itself in that one season.

#### GET RIGHT INTO COILS

Late in the afternoon we put the hay in neat coils. When the weather is good we haul in the next day right from the coil directly after dinner. When the days are cooler and the hay is not making so fast we turn out the coils a couple of hours before noon and then draw in. We usually leave the last loads on the wagons in the barns over night and unload the following morning while the dew is rising.

Later in the season, when making the timothy, we change our practice somewhat. We start the mower and tedder earlier, rake up in the early afternoon and draw in the same day. We do not cut unless the weather is unfavorable. We like to cut just after blossoming time. We then get hay free from dust and not too old and woody.

### Priests as Agricultural Experts

J. A. Macdonald

In Eastern Nova Scotia and Cape Breton, as well as in Prince Edward Island, the Catholic priests take great interest in agriculture, dairying and the improvement of live stock.

In starting the cooperative dairy system in Prince Edward Island in the earlier nineties, Professor J. W. Robertson would never have achieved the marvellous success he did had it not been for the enthusiastic cooperation of the Catholic priests. This the professor often admitted.

I find in my travels in Eastern Nova Scotia that the Catholic priests are in many cases acting as agricultural experts to the people. This is particularly true of the county of Antigonish and also most of the counties of Cape Breton Island. Before I came to Pictou, last week, two Catholic priests, Revs. Father Tompkins and Dr. MacNeil, son of St. Francis Xavier College, delivered addresses on farming in several parts of the county dwelling on crop rotation, turnip growing, cultivation of the soil, etc., and are to speak in several other places.

The reverend gentlemen are experts in the solving of present-day agricultural problems, and their addresses were most instructive. Unlike the small audiences we see at Ontario Institute meetings, conducted by the Provincial Government here, these religious farm experts speak to audiences of 150 or more farmers. The large attendance at the beginning of the cropping season is ample evidence of the confidence in which these good fathers are held by the farmers of Eastern Nova Scotia.

### Preserve Correspondence

L. K. Shaw, Welland Co., Ont.

We had a lawsuit in this neighborhood recently that might have been avoided altogether had the farmer in the case kept track of his correspondence. Business letters should be read and filed, not read and destroyed as is too often done.

The farmer in the case was known to be as honest as the day. The commission man who sued him was generally believed to be so crooked that he couldn't lay in bed straight.

The farmer was perfectly certain that the commission man had promised to do business for him on a three per cent basis. He said he had received a couple of letters from the commission man stating that that was his commission. But he didn't have the letters. The commission man on the other hand, brought into court every letter that the farmer had written dealing with the subject, in which, by the way, no direct reference was made to the commission stipulated, and also had copies of every letter (he said) that he had written to the farmer. These letters stipulated a commission of 10 per cent. A couple of letters that he had written modifying the first commission in order to get the farmer's trade he had left out.

The magistrate did not wish to give judgment for the commission man. He was morally certain of the justice of the farmer's contentions. But what could he do? The law must take its course. The farmer lost.

Had that farmer carefully filed all his business correspondence there never would have been a lawsuit at all, and he would have been many dollars richer.

I have a regular file on which is kept all business correspondence. This is easy. I also take carbon copies of all my business letters that I write. This too is easy. All that one needs is to get carbon sheets that can be secured at almost any bookstore, lay them under the manuscript at which one is writing and the letter will be transcribed on the sheet below the carbon paper. This is a plan that every farmer who does business at all can afford to adopt.

### Some Impressions "Het Loo" S

THERE is a lover of good visit the reuil, Que., to breeding of the Dr. L. de L. Harwell and man unusually good indstein type, great quite the richest not to be found else in Ontario or Quebec see them. You of therefore, something to be an editor of in March, to spend at the "Het Loo" the Holsteins, Inqui and breeding, and the individuals for Dairy readers.

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STUDY THE IL From the illustration get a fair impression of type and size of the These two characteristics forcibly immediately on cattle, and backed as majority of them wit and the most popular Holsteins may in all fa in a class right at the Harwood's Holsteins c tions appearing on this one, Jewel Prize 4th ew, in type that you lik In markings she is attame! You see her top great strength of heart

## GREAT HOLSTEINS IN A GREAT HERD THAT IS DOING THINGS

Some Impressions and Facts Gained by an Editor of Farm and Dairy from a Visit Late Last March to the "Het Loo" Stock Farm, Owned by Dr. L. de L. Harwood, now Managed by that Well Known Expert Holstein Breeder and Feeder, Gordon H. Manhard.

THERE is a great treat in store for every lover of good dairy cattle when he goes to visit the "Het Loo" Stock Farm at Vaudreuil, Que., to look over and enquire into the breeding of the Holsteins on this farm owned by Dr. L. de L. Harwood, a prominent leading medical man and surgeon of Montreal. So many unusually good individuals of correct Holstein type, great size and capacity, and quite the richest of breeding, are possibly not to be found elsewhere in any one breed in Ontario or Quebec,—if so we have yet to see them. You can picture to yourself, therefore, something of the great pleasure it was to an editor of Farm and Dairy, late in March, to spend the better part of a day at the "Het Loo" Stock Farm, going over the Holsteins, inquiring into their records and breeding, and photographing many of the individuals for the benefit of Farm and Dairy readers.

### OLD FRIENDS

It is now several years since Dr. Harwood first started in to own and to breed the best in pure-bred Holsteins. "Our People" through Farm and Dairy have been advised in a measure from time to time of the doings with Holsteins at the Doctor's farm since on several occasions our editors have visited there and the advertisements of these Holsteins have been appearing in Farm and Dairy regularly for some years. Until recently the best has not been brought out of these Holsteins on account of the great handicaps under which Dr. Harwood was obliged to handle his farm. But some months ago he overcame these handicaps when he had the good fortune to induce that well-known expert Holstein breeder and feeder, Mr. Gordon H. Manhard, of Manhard, Ont., to take charge of his farm and cattle and to do things as they should be done. Late in the winter the word went out that big doings were going on in the way of record making at the "Het Loo" Farm, and it was the natural consequence that one of our editors should make a special trip there to get the news and information for our people. It was intended that this information appear in our great Dairy Number of April 10, but of necessity it has been delayed in publication until now. Most inclement weather prevailed on the day of our visit, and on account of the photos being taken in spite of the rain they do not do the animals full justice as given in connection with this article.

### STUDY THE ILLUSTRATIONS

From the illustrations our readers will get a fair impression of the most excellent type and size of the "Het Loo" Holsteins. These two characteristics strike one most forcibly immediately on seeing the Doctor's cattle; and backed as they are, the great majority of them with excellent records and the most popular of breeding, these Holsteins may in all fairness be said to be in a class right at the top.

The impression we carried away of Dr. Harwood's Holsteins is typified in three illustrations appearing on this page. Note the topmost one, Jewel Prize 4th. Where did you ever see a cow in type that you liked much better than she? In markings she is attractive; in size she is immense! You see her top line is straight. She has great strength of heart and she has everything re-

quired in the way of constitution. And with her udder and veining,—these speak for themselves as you see them in the illustration. You will be interested to study also in this manner the other two illustrations showing Minnie Sandes Loo Cheneaux, and that great champion of Toronto and



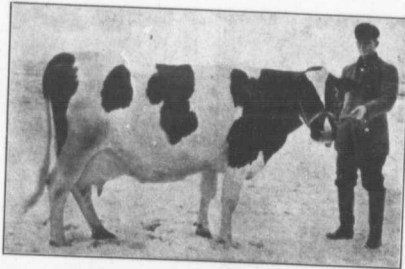
**A Remarkable Cow, Big in Size and of Superior Type**

This illustration shows Jewel Prize 4th, a typical "top-notcher" in Dr. L. de L. Harwood's herd at Vaudreuil, Que. See the article elsewhere for particulars.



**Another of the Many Great Holsteins in the "Het Loo" Herd**

Minnie Sandes Loo Cheneaux, here shown, is more promise of the kind you will see in Doctor Harwood's herd.



**A Champion Well Known to Holstein Men**

This is that great cow, Rosalind Haacker, grand champion at Toronto and at Ottawa in 1909. She is in Doctor Harwood's herd.

—All photos by an editor of Farm and Dairy.

Ottawa, Rosalind Haacker. Truly these are wonderful cows, and in the "Het Loo" herd you find many of their stable mates quite their equal or close seconds to them.

This cow, Jewel Prize 4th, is one that Mr. Dollar, of Houlton, N.Y., secured out of a herd he discovered down in Pennsylvania, the milk from

which herd was testing 4 per cent in butter fat. She cost the Doctor a neat \$1,000. At that she was an exceedingly good buy, for she is a producer. At the time of our visit she had but shortly dropped a heifer calf, by Sir Aggie Beets Segis, strong and straight and a doer. In the herd also is her calf of last year, a March bull sired by Pontiac Kornydke. She was carrying that bull when imported. The Doctor has refused \$1,000 offered for him, as well he might, for the bull as a great, strong, heavy individual, carrying an attractive masculine head, and, save for a mere trace of the "Pontiac" rump, is in every way most likable. In order to get even a fuller appreciation of this great cow and her stock you will have another look at her picture noting, in addition to the other points before mentioned, her great prominent eyes, the width between her eyes, her width of muzzle and the other indications of her highly developed nervous temperament. She is in every way a show cow, even to the fine points of her beautiful perfect horns.

### OTHERS ARE AS GOOD

Space at our disposal does not permit us to go into such details with others of these cattle. Enough, we trust, has been given to enable each one of our readers to study out these points for themselves in connection with the four other illustrations now given.

Since the interest is in records now-a-days, and most properly so, it is gratifying to note that the "Het Loo" Holsteins have it, and are getting it more and more in their favor, on this account. It was expected that the great cow, Jewel Prize 4th, would prove the big things of which she is capable. Fortune seemed to be against her this year, however, and shortly after our visit untoward conditions kept her from making what was expected of her. It is to be hoped that good luck will favor her next time.

### ONE OF THE BEST

Oakville Elsie Johanna is probably one of the leading lights in the Doctor's herd. Good luck did not favor us in getting her photograph in the rain else we would show it to you here. Her dam is Lena DeKol Mechtild, a 28-lb. cow owned by Mr. Dollar. She came from Mr. Dollar's herd. Her sire is by a son of Kornydke Butter Boy; her sire's dam is by DeKol 2nd's Butter Boy 3rd. She made 27.88 lbs. butter in 7 days at three years, thus being the Canadian champion and one pound butter ahead of the highest record in Canada for Holsteins of same age. When we saw her she had been two weeks under test and was then running close to 80 lbs. milk a day; the best day's milking having been 85 lbs. She has a great level udder and a wonderful network of veins for a heifer. It will be interesting to watch her as she develops. In 38 days in the yearly test she gave 3,110 lbs. milk. Prof. H. Barton, of Macdonald College, had seen her shortly before our visit and he liked her the best of all the good cows in the Doctor's stables.

On the second page, where this article is continued, you will note an illustration of Fairview Kornydke Boon Johanna. Possibly her future is about as bright as is the best in the "Het Loo" herd. She is out of a Gladi but Mr. Dollar has and she is a daughter of the 32-lb. four-year-old daughter of Pontiac Kornydke, which cow gave 135 lbs. butter in 30 days. Mr. Manhard bought this heifer and afterwards Mr. Dollar made the splendid record on

(Continued on page 6)

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## "Het Loo" Holsteins

(Continued from page 5)

her dam, she having 26 lbs. as a three-year-old. This "Boon" heifer, under consideration, when we saw her, was only 1 yr. 11 mos. old, yet she had just completed an official record of 18.88 lbs. butter in 7 days and she did this on dry feed since no ensilage was available at the "Het Loo" farm the past winter owing to difficulty with men and the corn crop last season.

30 lbs. butter in 7 days. She had just recently dropped a heifer calf by Sir Angus Beets Segis, a son of Old King Segis and out of a 29-lb. four-year-old daughter of Paul Beets. Mary Segis Beets, a junior two-year-old, had recently made 20.54 lbs. butter in 7 days making her the highest record of heifer in Quebec province. She is a great strong heifer, not as low-set as some, but having good bone and strong constitution. She is a quality heifer in every way and is a grand



Francy Belle Wayne—Proven and of Great Promise

At 1 yr. 10 months this heifer from the "Het Loo" Holstein herd made 17.65 lbs. butter in 7 days. What may we expect from her and from several more her equal in Doctor Harwood's herd when she matures?

—Photo by an editor of Farm and Dairy

You can see for yourself that she is a wonderfully fine heifer. In many ways it was a big mistake to breed her so young, but Mr. Manhard was taking advantage of the service of the great bull, a son of a 88-lb. cow, he had available from Mr. Dollar a year ago, and which has since been made head sire in Mr. Dollar's herd to take the place formerly held by Pontiac Kordyke. Her heifer calf by that great bull has seven nearest dams that averaged 30.8 lbs. butter in 7 days. Mr. Manhard believes she is the highest record heifer in Canada. In order to get even a fair appre-



A Splendid Specimen of the Richest Holstein Breeding

Fairview Kordyke Boon Johanna, here shown, is of exceedingly rich breeding. Study the particulars about her as given in connection with the adjoining article made 18.80 lbs. butter—this on dry, indifferent feed!

—Photo by an editor of Farm and Dairy

ciation of the many good things in Dr. Harwood's herd it would be necessary that you pay a personal visit to the farm and see for yourself the many good things in Holsteins that are to be found there. We can at this writing mention but a few of them. Of these we would note Nant Nant Topsy Clothide, an old cow now, but the first cow in Canada to make

of much greater things as she did

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In certain districts a homesteader in good standing may pre-empt a quarter-section alongside his homestead. Price, \$30 per acre.

Duties—Must reside upon the homestead or pre-emption six months in each entry (including the time required to earn 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, \$3.00 per acre. Duties—Must reside six months in each of three years, cultivate fifty acres and erect a house worth \$300.00.

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ops. Francy Sylvia Ormsby caught our fancy, she being nearly a 21lb. three-year-old and a daughter of Francy 3rd Admiral Ormsby, bought from Mr. Caskey, Roxie Concordia had made 18 lbs. in two years.

There were a good many individuals in Dr. Harwood's stables just waiting for their opportunity to come along. With Mr. Manhard at them, they can prove themselves as being worthy of their places in this great herd. One of these, Oakland Queen, we make note of as being out of stock of Mr. J. Fletcher's breeding, he being the man that raised the "Francies." Two others, secured by Mr. Manhard in Pennsylvania, we would note especially as being very much of the style, type and quality of Jewel Prize 4th.

Until recently Dr. Harwood's farm has been known by the French name, Les Cheneux. This name did not suit the Doctor since he wanted something suggestive of the best in Holland and in Holstein lore appraised him of the fact that the place where Queen, Willemena does her fancy farming is called "Het Loo" castle, hence he appropriated the "Het Loo" for his own farm and cattle. From now on every female calved in his herd will be named "Het Loo" at the front of its name; every bull that is worthy of it will be named "Het Loo" as an ending to its name.

The principal herd sire heading the Doctor's herd is King Segis Pontiac Duplicate, believed by Mr. Manhard to be the richest bred butter bull in Canada. His dam, K. P. Duplicate, made 21 lbs. in 7 days, 791.99 lbs. butter in one year, 17,931 lbs. milk in one year at two years old. She and her 15 two-year-old sisters have records, which average 16,459 lbs. milk and 776.01 lbs. of butter in one year. She also has three 30 lb. three-year-old sisters and also one that holds the world's record, 44,152 lbs. butter in 7 days—all sired by King of the Pontiacs. The second dam is Pontiac Duplicate, 24.92 lbs., daughter of Hengerveld Dekol; also also is dam of three A.R.O. daughters. Third dam is Pontiac Parthena, butter 22.61 lbs., dam of six A.R.O. daughters and one proved son, sire of Agatha Pontiac, 36.09 lbs. butter in 7 days at four years old. The sire of King Pontiac Duplicate is King of the Pontiacs, a son of Pontiac Korn-dyke, he having 12 30 lb. daughters, three of which made 37 lbs. butter in 7 days. This bull is too well known to Farm and Dairy readers to require further description.

The dam of King of the Pontiacs is Pontiac Lady Hengerveld, a 28.41 lb. daughter of Hengerveld Dekol, sire of 116 A.R.O. daughters, eight of them above 30 lbs. butter in 7 days. The sire of King Segis Pontiac Duplicate is the son of King Segis and from a 37.21 lb. daughter of Pontiac Korn-dyke, she having given also 25.318 lbs. milk in one year, 1,271.6 lbs. butter in one year, and she is a full sister of Pontiac Rag Apple, 31.02 lbs. butter at four years. King Segis is the sire of 76 A.R.O. daughters, three over 30 lbs., 41 over 20 lbs., and 28 proved sons; his dam A. & G. Inka McKinley, butter 18.7 days, 28.02, a daughter of Segis Inka, butter in 7 days, 28.04. The sire's dam is Mercedes Julip's Pieterje with a record of 29.36 lbs. butter in 7 days. It will be noticed that Dr. Harwood's bull has not only big 7-day records on his dam and sire's dam but they have exceptionally large yearly records as well.

From now on it will not be too much to expect greater and greater things in the way of grand and more richly bred Holsteins with big records and butter production coming from the "Het Loo" herd. Mr. Manhard is a

(Continued on page 8)

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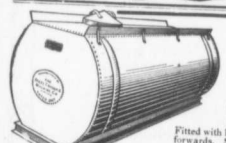
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## HORTICULTURE

### The Fruit Situation

A few weeks ago it was feared that the heavy frosts that were general all through Ontario had passed without effect on all kinds. Reports just received from Farm and Dairy correspondents in all parts of Ontario, indicate that, while the frosts were general and did some damage in almost every locality, the loss from this source will not be as great as was at first expected. In fact present indications point to a good average crop of apples particularly of the fall and winter varieties, and a plentiful supply of small fruits. From the peach growing district reports are particularly optimistic.

A Brant county correspondent, Mr. Dickie, complains that about 90 per cent of a good setting is falling off. This he attributes to after-effects of the spring frosts. As no other correspondent mentions trouble it is safe to assume that the condition is not general.

Orchard methods are making progress in the fruit growing districts and in some sections of Western Ontario thinning too is becoming quite common. A good idea of conditions may be gathered from the following report of Farm and Dairy's special crop correspondents:

**GOOD MANAGEMENT—GOOD CROPS**  
"In apple orchards that have been sprayed there is a fair crop. Unsprayed orchards are stripped of blossoms. Although full of blossoms, it leaves the frost proved to be too much for most orchards."—H. D. Willard, Dundas Co.

"Early apples will be a plentiful crop. Most winter and fall varieties have set well and point to a good average crop."—F. Wallbridge, Hastings Co.

"Apples promise a fair crop. Cherries heavy; pears scarce; plums a fair small fruit medium."—J. Kelly, Hastings Co.

"The prospect for apples is fairly satisfactory. Nearly all varieties have set well. Damage from frost is not general. Ben Davis has the lightest set in proportion to bloom. Pears and cherries are good, plums fair."—W. J. Bragg, Durham Co.

**PERSPECTS MEDIUM**  
"Prospects for apples generally are medium. Frost damaged orchards locally. Strawberries, cherries and plums suffered most."—A. E. Bellman, Durham Co.

"Baldwins, Spies, Kings and similar varieties have set well; Greenings, Red Bellflowers and Russels, medium. Rest light. Little or no frost damage. Pears suffered heavily from frost. Cherries will be one-half a crop."—R. H. Cronk, Ontario Co.

"All kinds of fruit have set well but apples. Early fruit was slightly damaged by frost."—M. Chamberlain, Peel Co.

"Apples are a good average, peaches average, cherries plentiful, and plums heavy. Small fruits, with the exception of strawberries, are fine."—Alfred Andrews, Halton Co.

**Fruit crops of all fruits**  
"Prospects are that we will have a fair crop in all fruits but not so heavy as last year. Spies have a light setting; others good."—Walter E. Palmer, Welland Co.

"Fruit prospects are below average. Apples set well but 90 per cent are dropping off to heavy frosts at blooming time."—Wm. Dickie, Brant Co.

"Plums will be a failure; cherries below the average; strawberries a full crop."—C. S. Burton, Simcoe Co.

"Winter apples will be a fair crop, plums and early apples scarce, and cherries the heaviest crop in years."—C. H. Shuh, Waterloo Co.

"Fruit has set exceedingly well, except on some apple and plum trees. Spring frosts affected straw-berries, cherries and plums, but to a slight degree."—H. H. Brown, Lincoln Co.

"Spies, Spitzburg, Russet, Greening, etc. are good, especially when thinned last year and in spray orchards. Baldwins are not so good. Peaches, plums and cherries are a good crop."—W. H. Cherry, Haldimand Co.

"Fruit has set for an average crop. Frost did not do the damage expected."—Ira Stittwell, Elgin Co.

"This is a good showing for apples, better than last year. Peaches are good. Frost did not do much damage here."—G. F. Durkee, Norfolk Co.

"Prospects for the fruit crop are very good. The setting is full and spring frosts did not do much harm."—A. W. Baldwin, Norfolk Co.

### "Het Loo" Holsteins

(Continued from page 7)

past master at the art of feeding and handling the best in Holsteins. We are impressed with his equipment of cows even those that had been in the herd work under test for several weeks. He is a born cattleman. This was apparent in the way the calves seemed to like him and how the cows seemed to like to have him around. We noticed that in feeding them the grain ration Mr. Manhard each time placed the milk on the handy spring scale near the feed bin. To a question we directed at him in this regard, he replied:

"Oh yes. I get so that I can gauge as regards weight but I never weigh. I always want it weighed. I have done a lot of testing and have never yet had a cow go bad on me at the end of a test. It is very important to take care of the cows after they have completed a test. Many breeders will let a cow 'go to the docks' when the test is over. They will cut her feed off all at once. That is when the harm is done. I cut off the feed very gradually; cut it down half a pound a day in the milk she gives."

While it is most fortunate for Dr. Harwood that he has associated with him at the "Het Loo" Stock Farm, Mr. Manhard, it also seems to be quite fortunate for Mr. Manhard. He has now the privilege of working in and developing a truly great herd of Holsteins to take care of his hampered herd by lack of capital. His view coincides to a nicety with the views of Dr. Harwood when it comes to type breeding of Holstein cattle. Therefore with "Het Loo" work as may be expected in the future, the herd and with cattle so superior it is not too much to expect great things from the "Het Loo" farm in the advancement of the interests of Holstein stock. Our readers who appreciate the best and who desire to buy or to do some of the best in Holsteins will be well to write to Gordon B. Manhard, Mgr. of the "Het Loo" Farm at Vaudreuil, Que., for particulars of stock they have for sale, or to arrange for an appointment of the day as convenient to visit this farm and to see the "Het Loo" Holsteins.—D. C. N.

**Wanted.**—Agents for the summer months. Hustlers who have not yet taken up work for the summer. We offer liberal commissions and good territory for men who want to make big money.—Farm and Dairy, Peterboro.

### HOW A R

remark drop the hearing

Farm and Dairy was visiting the Central train run by the Railway over its line. Remarks were pertinent subject up exactly. That's just what Farming Special should be. In the court to the train, a point for a whole year of experience seen and digested learned with the can be learned by the structures in charge. Demonstrations given.

The long tunc characteris the o the boldest day. talk that gets right leaves him with the possible, gained in



A Part of One of the wonderful was that so much stock had to be housed

One may also get fundamentals in judg cases of live stock, in which the Canad way, in cooperation Department of Agric in the spread of the farming.

The two cars that running equipment of special, recently Peterboro and one of Farm and Dairy the opportunity of we found Mr. Chas Dairy School in Zurb exhibit.

One of the features was a four-bottle Babine with test bottles various stages in the or cream. Anyone w testing as an operator and surrounded with one to examine this exhibit and talk a fe

Mr. Zulfelt to find out how and test milk exercise reasonable care with this exhibit testing outfit with seal literature explaining testing individual. Of special interest who is interested in good milk, would be the showing one bottle of milk that is perfectly rotten, through the bacteria contained cow milk. It gave us science to look at that think of the hundreds to get into the milked the cows at h through the addition had. A speak of cow



HOW A RAILWAY COMPANY IS TEACHING AGRICULTURE

"IT'S a college on wheels," was the remark dropped by a farmer in the hearing of an editor of Farm and Dairy a few days ago. He was visiting the Good Farming Special train run by the Canadian Pacific Railway over its lines in Ontario. His remark was pertinent. It summed the subject up exactly. That's just what this year's Good Farming Special is, a college on wheels. In the course of a few hours' visit to the train, and it stops at each point for a whole day, the results of years of experimental work may be seen and digested. Much can be learned with the eyes. Much more can be learned by talking with the instructors in charge of the various departments and from the lectures and demonstrations given.

Not the long tedious lectures that characterize the college course, but the boiled down, condensed sort of talk that gets right next a man and leaves him with the most information possible, gained in the shortest time.

straw one inch long had produced equally undesirable results in other bottles. Another bottle showed the common souring of milk through lactic acid bacteria and right next it was a bottle of sterilized milk perfectly good.

THE PREVENTATIVE SUGGESTED It would be a hardened milk producer who could look over that line of bottles and then go home and do as he has always done. He would want to know how to get some of these objectionable things out of his milk; and the information was right there. A sanitary milk pail with a partially covered in top, formed a part of the exhibit and on the wall was a diagram showing just why the patent pail is to be preferred to the ordinary wide-open milk pail.

"We go on the principle of prevention rather than cure," remarked Mr. Zufelt to our editor.

Near by was a milk cooling tank and crane in miniature; such a one as any dairy farmer could construct for him-



A Part of the Overflow at the Ormatown Spring Show

One of the wonderful things about the Live Stock Fair held at Ormatown recently was that on much-needed stock could be collected in one small district. Much of the stock had to be housed in the open air. Here is a part of the overflow from the Ayrshire shed. -Photo by an editor of Farm and Dairy.

One may also get an idea of the fundamentals in judging the various classes of live stock. Such is the way in which the Canadian Pacific Railway, in cooperation with the Ontario Department of Agriculture, is aiding in the spread of the gospel of better farming.

AS SEEN BY AN EDITOR.

The two cars that composed the running equipment of the good farming special, recently spent a day in Peterboro and one of the editors of Farm and Dairy availed himself of the opportunity of visiting the train. We found Mr. Zufelt of the Kingston Dairy School in charge of the dairy exhibit.

One of the features of this exhibit was a four-bottle Babcock testing machine with test bottles showing the various stages in the testing of milk or cream. Anyone who regards milk testing as an operation, complicated and surrounded with mystery had only to examine this part of the dairy exhibit and talk a few minutes with Mr. Zufelt to find out that he could exercise reasonable care himself did he go home and test his own milk. In connection with this exhibit was also a cow-testing outfit with scales, test bottles and so forth, along with charts and literature explaining the benefits of testing individual cows.

Of special interest to the dairyman who is interested in producing real good milk, would be the set of six bottles showing one bottle of milk perfectly rotten through the addition of the bacteria contained on just one cow's hair. It gave us a guilty conviction to look at that bottle and then used to get into the pail when we took a bottle of milk equally decayed through the addition of a timely head. A speck of cow manure and a

self. The tank was of the type that stands right next the well and the cold water from the well flows through the milk tank and thence into the stock tank; hence no more extra pumping is necessary than if the milk were not cooled at all; and not to cool the milk means that millions of harmful bacteria are developing as fast as the diagram that was nailed on the wall over the model tank.

OBJECT LESSON FOR PATRONS

Creamery patrons also found something to interest them. The insulated tank, recommended by all dairy authorities for the preservation of cream was on exhibition. It consisted simply of an exterior tight wooden box and an interior smaller galvanize box. The cream can sits in the arate compartment tilted off at the end leaves room for the ice. Shut down the cover, keep out the heat and we have a model that did all farmers adopt would lead to immensely better butter being produced in our Canadian creameries. If anyone wished to take information home with them as to how such a tank could be constructed, Mr. Zufelt had the literature that explains the whole process right there for distribution.

Mr. F. F. Francis, an Ontario Agricultural College student, had charge of an exhibit that proved of interest to every farmer and particularly to every farmer's wife. Real, live, pure bred, White Leghorn chickens were of course the central attraction. The point was that they were housed in a 6 by 8 foot colony house suitable for 100 chickens. A model of this colony house was also on exhibition. There are two hoovers to the house.

The advantage of this style of (Continued on page 12)

The Call of the North

Do you know of the many adventures that New Ontario, with 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 U. A. MACDONELL, Director of Colonization, Parliament Buildings, Toronto, Ontario

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 Wm. DAVIES Co. Ltd. Toronto, Ont.

Poodle Pups For Sale

Beautiful White Tag Silk Poodle Pups from 4 pound sire, pedigree, 3 months old. Send for photo and prices.

Address JOHN DOPP 46 Queen St. S. BERLIN, ONT.

To Kill Lice and Mites on floors and in the house PRATT'S POWDERED LICE KILLER PRATT'S LIQUID LICE KILLER PRATT'S LIQUID MITICIDE Each the best of its kind "your money back if it fails" THE PRATT FOOD CO. OF CANADA, LTD. TORONTO, ONT. 160-Page Patent, 10c

FROST & WOOD BINDERS GET ALL THE WHEAT THE famous Frost & Wood is so perfect in balance that when down grain is encountered the table can be readily tilted and the reel thrown forward to pick up lodged crop. The operator does not have to strain or stretch to make the adjustments—every lever is convenient and easily adjusted. No matter how tangled the straw, it is elevated smoothly and swiftly. This is because the canvasses automatically adjust themselves to heavy or light crop. And on the deck the straw is sent to the packers steadily—no bunching or crowding, so ripe grain is not threshed out of the heads. From the standing crop to the sheaf, Frost & Wood Binders do not waste any grain. THE FROST & WOOD COMPANY LIMITED SMITHS FALLS Montreal St. John, N.B. Sold in Western Canada and Western Ontario by the COCKSHUTT PLOW CO. LIMITED BRANTFORD WINNIPEG



Do you lose lodged crop? Does your binder thresh your wheat out while binding?

GET OUR BOOK

SEND TO-day for our "Binder" Book, and learn every detail of the Frost & Wood machine. The roller bearings mean speed and light draft. The eccentric sprocket means a tightly-bound sheaf without strain on machine or team. The perfect elevator design prevents threshing or choking. The steel framework is braced to withstand rough land. This is as near an ideal binder as you can buy. It has 70 years of skill and knowledge behind it. Get the book to-day.

# FARM AND DAIRY

## AND RURAL HOME

Published by the Rural Publishing Company, Limited.



1. **FARM AND DAIRY** is published every Thursday. It is the official organ of the British Columbia, Eastern and Western Dairywomen's Associations, and of the Canadian Society Dairy and Cattle Association.

2. **SUBSCRIPTION PRICE**, \$1.00 a year. Great Britain, \$1.20 a year. For all countries, except Canada and Great Britain, add 50c for postage. Notices of change of address of subscribers are sent to all subscribers, who then continue to receive the paper until they send notice of discontinuation. No subscription is considered for more than one year after date of expiration. A year's subscription free for a club of two new subscribers.

3. **REMITTANCES** should be made by Post Office or Money Order, or Registered Letter. Postage stamps accepted for amounts less than \$1.00. On all checks amount less than 25c for exchange fee required at the bank.

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

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

UNITED STATES REPRESENTATIVES  
STOCKWELL'S EPISCOPAL AGENCY  
Chicago Office—West Chicago Building,  
New York Office—236 6th Avenue.

6. **WE INVITE FARMERS** to write us on all agricultural matters. We are always pleased to receive practical articles.

**CIRCULATION STATEMENT**

The paid subscriptions to Farm and Dairy exceed 15,000. The actual circulation of each issue, including copies of the paper sent subscribers who are not slightly in arrears, and sample copies, varies from 15,000 to 17,000 copies. No subscriptions are accepted at less than the full subscription rates.

Two-year 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. We are able to do this because the advertising columns of Farm and Dairy are as carefully edited and proof-read as any other paper. We protect our readers. We turn away unscrupulous advertisers, because any advertiser herein who dishonestly advertises us as one of our paid-in-advance subscribers, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue. That it is reported to us within a week of its occurrence, and that we find the facts to be as stated. It is a condition of this contract that we write to advertisers you state: "I saw your advertisement in Farm and Dairy."

Rogues shall not ply their trade at the expense of our subscribers, who are our friends, through the 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.

### PROTECTING OUR FORESTS

No Canadian who has the well-being of his country at heart can view with equanimity the destruction each year of \$50,000,000 to \$200,000,000 worth of timber by forest fires. We must stop the fires.

There are other sources of waste than the waste by fire. We must stop the waste in logging, milling and utilization. We must stop the depredations of insects and fungus pests. We must cut timber only when it is ripe, when it will produce as much value as possible in usefulness to man. In addition, we must plant up the waste places and encourage the planting of shelter belts in our prairie provinces.

This forestry problem is one that demands the attention of the government as well as individuals. France makes its forests a subject of national

concern; the government has spent \$35,000,000 in planting trees on water-sheds. Germany spends as high as thirteen dollars an acre a year on her forests and receives gross returns up to twenty-four dollars an acre, thus yielding net profits up to eleven dollars an acre every year. German forests as a whole net about two dollars an acre annually. Canada spends much less than one cent an acre on the forest acreage under management. And there is still more that is not under any management whatever.

We in Canada have been careless about our forests because we have always believed the supply inexhaustible. We now see, however, that there is a crisis coming when these so-called inexhaustible forests are going to be greatly depleted. Experience in the past has taught us that governments only act under the spur of public opinion, public interest and the moral power of an aroused public conscience. It is the duty of Canadians of the present day to show our legislators that we are interested in the preservation of our forests. Let us preserve for our children and our children's children the rich heritage that is now ours.

### EASILY SECURED WEALTH

In spite of the fact that we are accustomed these days to talk glibly of millions of dollars the average individual has not the slightest conception of what is involved in \$1,000,000, to say nothing of larger sums. Some idea of what \$1,000,000 means may be gained from the fact that a man born at the time of Christ, had he lived until the present and had he earned one dollar a day every day in the year, Sundays and holidays included, and had he not spent a cent of it but placed it all in the bank every day during the past nineteen centuries, would have less than \$700,000, or less than three-quarters of a million dollars.

When, therefore, we read of the deaths of such men as the late John Jacob Astor, worth \$89,000,000, we may well ask ourselves, Is it possible for a man to accumulate such wealth without using means that despoil and deprive his fellowmen of wealth that rightly belongs to them? In the case of the Astor family, the secret of their wealth is not hard to find.

The late Mr. Astor, among many other properties in the City of New York, owned the Astor Hotel. Recently it was decided that this hotel, which had given many years of service, should be torn down and replaced by a structure with greater earning power. In the discussion of the case it was shown that the land upon which the hotel now stands was bought by the Astor family eighty years ago for \$150,000. It is worth to-day the huge sum of \$2,500,000. If you will stop to figure out what this means you will find that this one small piece of land, probably not an acre in extent, has increased in value at the rate of \$30,000 a year, or over \$80 a day for almost a century. This increased value has nothing to do with the revenue derived from the hotel build-

ing itself, or from the rental of the land, which of late years has probably amounted to \$150,000 a year extra. It represents solely the increase that has taken place each year in the value of the land on which the building stood. It is needless to say that Mr. Astor did nothing to create this increased value. It was created solely by the public at large, including many thousands of farmers in the United States, by shipping their products to the markets in New York City and by buying articles manufactured in that city, created employment for people living there, and thus increased the value of New York real estate.

Are we acting in our own best interests when we allow individuals like Mr. Astor to pocket immense sums of all of us and not by the individual? As long as we do may we not expect to still have multi-millionaires who can live in luxury on the proceeds of slums and of others; to have city people hard without earning as much as they are justly entitled to? When we become wise we will realize that the remedy for this condition of affairs is to tax land according to its value. Thus the public may regain the wealth to which it is entitled.

### SEED BY THE CARLOAD

Pure seed in car load quantities is the aim of the latest move of the executive of The Canadian Seed Growers' Association.

In the past a few members here and there have been producing a few bushels of the various grain and fodder crops. The growers have been so widely scattered and their production of pure seed so comparatively unimportant, that the marketing proposition has always been a difficult one. According to the new plan, seed growing centres are to be established. In fact three have already been established, two in Carleton Co., Ont., and one in Lanark Co.

Here is the system in brief: The Association select some one district that because of its soil and climatic conditions is particularly adaptable to the production of some one crop. They send their representatives to that district and endeavor to interest a large number of farmers in the district in making the growing of pure seed of the crop to which their farms are particularly adapted, a speciality. With the system in full operation several car loads of pure seed barley would be produced at one centre, of oats at another, of wheat at another and so on all along the line of farm crops. This system promises to simplify the marketing problem and make the production of pure seed an industry worth while.

Farmers whose communities have been selected as suitable for seed centres will do well to take hold of the proposition with a will and do their part to make this latest move on the part of The Canadian Seed Growers' Association an unqualified success.

### RELATIVE COSTS

John Armstrong, Chief Engineer of the Hudson Bay Railroad now under construction, estimates that this government built road will cost an average of \$26,829 a mile. The average cost of the Canadian Northern Railway so far constructed is well over \$7,000 a mile.

The Hudson Bay Railroad has been built under difficulties. Sixty miles of the road lay through a hard and rocky country; one hundred miles through a belt of limestone and the rest through low-lying land abounding in muskeg, which requires an immense amount of filling.

The Canadian Northern Railway on the other hand, is built largely through level prairie country, where construction costs are at a minimum. True, part of the road is through rough country; but even on the prairie Mackenzie and Mann estimate the costs of construction at over \$6000 a mile.

When we compare the construction costs on these two roads, the one now being built by the government and the other by private enterprise, we get an idea of the extent to which these two Canadian millionaires, Sir Wm. Mackenzie and Sir Donald Mann, have been robbing the country.

Their plan of operation as outlined by "Justice" in Farm and Dairy last week is simple. The government gives large grants and loans to the Canadian Northern Railway Company for the construction of "new lines"; that is to Mackenzie and Mann; Mackenzie and Mann then award contracts for the construction of the road to their own construction company at rates that give them an enormous profit. Here it is that they make their millions while the railway company itself is kept poor and capitalized at such an enormous figure that it will never be profitable unless extortionate freight rates are charged.

If the government can construct lines at \$26,829 a mile, while privately built roads represent an investment of over \$60,000 a mile, would it not be infinitely better for the government to build our railroads and operate them for the benefit of the people, rather than to bonus heavily the operations of private individuals, whose operations are directed for their own gain rather than for the good of the country?

Australia is doing it successfully. New Zealand railroads are operated by the government. So are those of Denmark. The Intercolonial in Canada is owned by the government and is now on a paying basis. Why not extend the idea to all other new lines built and do away at one stroke with the difficulties of freight regulation and adjustments of grievances that always characterize the dealings of the people's government and privately owned railroads.

The man who can see defects and remedy them is a better balanced man than the optimist who refuses to see bad in anything.

AD. LXI  
Would you like space my offer your advertisements with which you wish notice this

THIS SENT SEVERAL YOU HOW I IT IS TO CASE LETTER TALS, AND A IS EASIER TO IN A LAR THAN A CR

And then this but set in a gener

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You see how much you can read this "er" type, and espe you give it plenty of not crowd the space

This sente several sty how much lower case tails, and al to read "Bed" th

You will find it ve to size up and studyments in Farm and the advantage that ha by some advertisers principle in type disp

Other advertisers not aware of this gre that they might have verisements. Hence have given you this and Dairy,—

"A Paper Farmers

COSTS

Chief Engineer of road now under... will cost this government... The average Northern Rail... I is well over

road has been... Sixty miles... a hard and... hundred more... of limestone... low-lying land... which requires... filling... orn Railway... built largely... country, where... at a minimum... d is through... on the prairie... estimate the... over \$60,000

construction... the one new... armament and... enterprise, we... out to which... lionaries, Sir... Sir Donald... the country... m as outlined... and Dairy... armment gives... to the Cana... Company for... lines; that is... Muckoekin... contracts for... road to their... ny at rates... mous profit... like their mil... company is... capitalized at... that it will... extortionate...

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AD. TALK  
LXXXVIII

Would you believe that white space may often mean as much to your advertisement as the matter with which you fill it? Just notice this example:

THIS SENTENCE IS SET UP IN SEVERAL STYLES TO SHOW YOU HOW MUCH EASIER IT IS TO READ LOWER CASE LETTERS THAN CAPITALS, AND ALSO THAT IT IS EASIER TO READ TYPE IN A LARGE "FIELD" THAN A CRAMPED ONE.

And then this one in same type but set in a generous field of white:

THIS SENTENCE IS SET UP IN SEVERAL STYLES TO SHOW YOU HOW MUCH EASIER IT IS TO READ LOWER CASE LETTERS THAN CAPITALS, AND ALSO THAT IT IS EASIER TO READ TYPE IN A LARGE "FIELD" THAN A CRAMPED ONE.

To the uninitiated it would not seem possible that the difference would be so greatly in favor of a little additional white space.

Then again, note these following two examples, the only difference being that "Upper and Lower" type has been used instead of capitals.

You see how much more easily you can read this "Upper and Lower" type, and especially so when you give it plenty of margin and do not crowd the space.

This sentence is set up in several styles to show you how much easier it is to read lower case letters than capitals, and also that it is easier to read type in a large "field" than a cramped one.

You will find it very interesting to size up and study the advertisements in Farm and Dairy noting the advantage that has been taken by some advertisers of this great principle in type display.

Other advertisers evidently are not aware of this great advantage that they might have in their advertisements. Hence it is that we have given you this tip in Farm and Dairy,—

"A Paper Farmers Swear By"

For Appearance's Sake

B. H. Colwell, Hants Co., N.S.

One of our neighbors, an "old timer," never tired of telling when the first mowing machine was used in the district. Sandy was the first man to brave the ridicule of his neighbors by investing in one of the "devilish inventions." When Sandy got into the hayfield with his new machine he was naturally new to the work, and his mowing showed some rather large gaps.

A neighbor of his who was a bit of a wag, came over to watch Sandy and after looking on for a few minutes, remarked, "Cutting on the halves, Sandy?" "Why, no," says Sandy, somewhat mystified, "I'm cutting for myself." "Oh," says his neighbor, "I just noticed you were cutting half and leaving half."

There is no excuse now for a man mowing his hay "on the halves." Still while the mower does a nice, clean looking job, there are some corners that the mower cannot reach. With hired help at scarce and high priced as it now is, many farmers feel that they cannot spare the time to hand mow these odd corners.

My father was always very neat in his methods and took great pride in the appearance of the farm. He always made it a practice to clean up

all the fence corners. Although help is much harder to get than it was, I do not begrudge the time that the extra hand-mowing takes. I have the satisfaction one feels when a job is well done. I find also that the expense of cleaning up around the fences and out of the way places is a big help in the fight against weeds.

Securing Expert Business Men.—It is scarcely to be expected that every fruit grower should excel as a business man. Not the least of the advantages of cooperation is the fact that the best business ability can be a purely commercial end of the industry. The advantages of this are self-evident. A man may be a most excellent grower of fruit, but it would be a phenomenal case indeed if he could form a proper judgment of markets and prices, without an expenditure of time and money totally disproportionate to the value of his crop. The same time and money expended by the manager of the association, would enable him to sell the product, not only of one association but of several associations.

The gasoline engine is going a long way towards making up for the scarcity of labor. When people begin to realize the amount of work that can be done and the small expense in practice, then it is that they will become more general. Those who think they do not know enough about machinery to take care of an engine should quickly get rid of that idea as gasoline engines are now so simple that any one with the smallest amount of common sense can soon understand them.—W. C. Barrie.

"DE LAVAL" means a cream separator with the "trouble" left out

That's the way a user who has had a lot of personal separator experience and the opportunity to observe a great deal of other people's experience, aptly describes the meaning of the name "De Laval" on a separator—"a separator with the trouble left out."



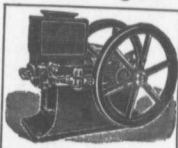
To many buyers of a cream separator and other farm machinery there's more meaning in that simple statement of fact than in a hundred other claims and arguments that might easily be made for the De Laval.

And if anyone would know how and why the "trouble has been left out" of a De Laval machine a new De Laval catalog—the most complete and interesting story of the cream separator ever published—to be had for the asking, will help to make it plain. See the local agent or address the nearest office as below.

DE LAVAL DAIRY SUPPLY CO., LIMITED  
MONTREAL PETERBORO WINNIPEG VANCOUVER

"MONARCH" Engines Save Running Cost

"Monarch" Engines give more power than their rating, yet use no more fuel. This is due to good material and design. The fuel tank is one solid piece, preventing leakage. Every drop of "Monarch" fuel gives a return in power, and full power at that. It pays to get a "Monarch." The "Monarch" pays for itself by saving fuel.

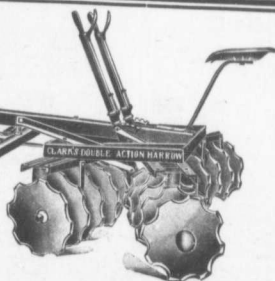


Learn Details in our free "red circle" folder.

CANADIAN ENGINES Limited, DUNNVILLE, ONT.  
Sole Selling Agents in Eastern Ontario, Quebec and Maritime Provinces  
THE FROST & WOOD CO., Limited,  
15  
Montreal, Que., St. John, N. B. SMITH'S FALLS, ONT.

"A Great Thing

to Chew Up Ground"



This is the expression of Mr. H. R. Nixon, Brant Co., Ont., who bought one of our AS CUTAWAY (CLARK) DOUBLE ACTION HARROWS this past spring and is abundantly satisfied with it.

Prof. J. H. Grisdale uses one of these rapid-working CUTAWAY (CLARK) DOUBLE ACTION, at the Central Experimental Farm, Ottawa. He testifies that in using this implement for preparing his corn land.

HE SAVES 100% IN COST OF CROP PRODUCTION!  
WORKING ONE HARROW. YOU CAN USE IT TO SPEND ADVANTAGE IN WORKING FOUR SUMMERS GROWING AND CONSERVE SOIL MOISTURE.

Send now for our special introductory terms to the first man who buys one in your district.  
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THE CUTAWAY HARROW COMPANY  
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The title marks the markers you will find in the spring. Send now for your copy of sample, send name and address to day.

F. G. James, Downsville, Ont.

## WE WANT YOUR CREAM

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Drop us a card for Ours. We supply them and pay Express. Each can weighed and tested on delivery and returns go back every week.

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I KNOW of farm lands in Ontario and in the West, too, that are now yielding only 10 to 15 bushels of wheat to the acre. They used to yield 30 to 40. What a loss to their owners!

I wonder if you have any wheat land that is not doing its duty by you. If so, I strongly advise you to make an application of Harab No. 1 (cereal) Fertilizer, putting it on at the rate of about 300 pounds to the acre.

Progressive Jones Says: "Get More Bushels Per Acre"

# Harab FERTILIZERS

will put back into your soil the plant food that continual cropping has taken out. Your worn-out land will become the rich, profit-making soil of former years. And all at a small cost.

Harab Fertilizers are natural Fertilizers. They are manufactured from blood, bones, etc., from the big Harris Slaughter Houses, with the addition of Potash and just enough quick-acting Nitrates and Superphosphates to produce well-balanced Fertilizers, which feed the plants, as required and develop it to early maturity in a natural way.

But what you want first is the Fertilizer Booklet issued by the Harris Abattoir Co. It gives complete information about choosing the correct Fertilizers for barley, oats, rye and other crops, and the quantities to use. It's a mighty interesting booklet. I know, for I've read it myself. The Harris people assure me they'll gladly mail you a copy free. It's up to you to show you're "A Progressive."

Seeds for bigger grain crops  
Progressive Jones

The Harris Abattoir Co., Limited  
TORONTO, CANADA



## HOW A RAILWAY COMPANY IS TEACHING AGRICULTURE

(Concluded from page 9)

house, Mr. Francis explained, was that the hoover was placed in the regular colony houses that the chickens occupy until they will go into the laying houses in the fall, or are dressed to go in a box to the market. When the weather gets warm and the chickens large, the hoovers can be removed from the house and all the space is available for the growing chicks.

pontry houses were also shown, the one recommended being an open front house with the "A" shaped roof, such as has been described in Farm and Dairy so often. It was also noticed that the chickens chief yeing out of a proper drinking water instead of the ordinary shallow tin in which water readily becomes dirty.

Prof. Graham, up at the O. A. C., has been wonderfully successful in developing a laying strain of Barred Plymouth Rocks. He has gone on the principle of transmitting the male rather than the female. In a corner of the Good Farming Special near the poultry exhibit were two specimen Plymouth Rock cock birds, one of an exhibition bred strain, whose chief commendation was his fine feathering and fine marking, and another whose mother had been a 200 egg pullet.

The latter did not have a nice coloring, but he did have a short, strong beak, a broad bill head, broad breast and everything that indicates constitution. Of course the exhibition bird might have had all of these, but then constitution is not the point most emphasized by fanciers and a constitution is more apt to survive. Yours truly, the birds with good constitution and poor markings, of the Yorkshires were told, than the bird with poor constitution and poor markings. Of course the moral was "keep a 'bred to lay' cock to head the flock."

The Physics Department exhibit was particularly interesting in view of the great interest that is now being taken in tile drainage; and also because of the recent action of the Dominion government in taking the duty off of ditchers, which will make the drainage still more common and cheaper.

A home-made "sighter" with which farmers might take levels for outlet drains, etc., was an interesting part of the exhibit. The advantages and disadvantages of various styles of tiles were explained. Proper and improper methods of running the laterals into the mains were also demonstrated by the models.

A FIELD IN MINIATURE

Perhaps the most interesting feature of the whole exhibit was a cast showing the surface of an average acre with its hills and hollows and lines drawn over it to indicate where the drains should go. Above all other things this cast showed the necessity of having a proper survey before one starts draining, such as is given by the Physics Department of the O.A.C., almost free of charge.

From a card tacked on the wall before the exhibit we learned that on the average in Ontario, land has produced 24 bushels more corn an acre out there, 17 1/2 more of barley, 20 of fall wheat, 10 of spring wheat and 10 of peas, with the quantity of straw nearly doubled in all cases. To even more strongly impress this lesson small quantities of all of these grains were exhibited in measure of different sizes; the largest one showing the present yield, the smaller one the yield before drainage and another measure showing the average increase in yield due to drainage. This exhibit appeared so strongly to many farmers who had farms in need of tile drains. Mr. Shaver did the talking in connection with this display.

One would expect the seed division to be well represented, and it was. Mr. T. G. Raynor, of the Seed Division, kept busy explaining the dangers of that weed and also of the flyinfly weeds that farmers brought in with them. In addition to a large number of pressed and mounted weeds that formed part of an exhibit, Mr. Raynor had gone out into the field nearby and brought in a large collection of fresh weeds.

If one carried along a note book it could get some valuable things worth taking away with him.

A series of tubes filled with grain showed by the relative heights of the seeds contained there, the merits of early versus late sowing of grain, and also versus ordinary grain seed. The relative weights of grain that might be secured from various mixtures of grains were also shown in the same graphic way in glass tubes.

### LIVE CATTLE ON BOARD

Last year on the Good Farming Special the instructors were content to impart their ideas in a live stock form of lectures. This year they had the stock right along with them, and gave demonstrations from the living animals. The dairy end of the equipment was a big typical milk-looking Ayrshire contributed by McKee, Norwich, Ont.; one of the good Jerseys from the herd of B. H. Bull and Son, Brampton, Ont., and a Holstein cow from the herd at the Ontario Agricultural College. More interest to the beef men was two Shortorns of the market topping type.

The horses consisted of a typical Percheron and one of the Clyde, with Dr. H. G. Reed, of Georgetown, Ont., to do the talking. The Yorkshire and Berkshires of good bacon type and one of sheep representative of the long angora wool types, completed the live stock end of the exhibit.

The Good Farming Special should do a grand work in the interests of better farming in Ontario. If the farmer has an opportunity to digest in a few hours the very best results of a half a century of experimental work and the results of expert breeders and farmers. At most shows farmers have shown their appreciation of the opportunity by visiting the cars in large numbers. Mr. R. H. Harding, who lectures on live stock, informed us that they were getting the best crowds at the smaller places and the smallest crowds in the large places. Lindsay was an exception to this rule. There, the cars were thronged all day.

This better farming special represents an unusual opportunity for farmers to come out to know more of the fine points in their business and to meet the men who can help them to solve their problems.

### The National Winter Fair

November 17 to 22 has been fixed as the date for the holding of the National Winter Fair at Toronto. It is the last meeting of the executive, held in Toronto recently, delegates represented the Ontario Live Stock Association, the Ontario Fur Growers' Association, the Ontario Vegetable Growers' Association and the various live stock associations.

Prize lists will be provided by classes in horses, cattle, sheep and swine. There will also be a big dog trial exhibition and a dog show. Arrangements will be made for the meetings of the different agricultural associations at the time of the fair, which will help to make the attendance a success. An agitation will be commenced at once for the erection of a judging arena with seating accommodation for 15,000 people.

## Cheese D

Majors are invited to this butter to the cheese making as a part for discussion.

## The Easter

Easter Ontario reputation as a manufacturing center. Even there, however, the cheese makers are their effort and are the milk supply of the country. Particularly in the milk and cream smaller extent the butter is supplanting dairy.

Farm and Dairy products of prospects these make from Ontario Dairy Instruction. Ontario Dairy Instruction are right in touch with the situation. Practical cooperation the cheese, city milk and cream. R. Elliott cites the case of Ontario Dairy Instruction together by the Ontario Dairy Instruction are all contribute to the supply of that city.

### WEATHER UNF

Combined with the weather conditions that are favorable. The nights were too cold for the bar best work, and so the season of the corn and short pastures. Reports that have been received.

"More milk is being sent to the market. The fair is good, good. The men are feeding 20 cows. The men are being produced per acre. The men are being produced per acre. The men are being produced per acre."

"Our make is equal to the best. The men are being produced per acre. The men are being produced per acre. The men are being produced per acre."

"The make of butter is much less than last year. The men are being produced per acre. The men are being produced per acre. The men are being produced per acre."

"The make of cheese is much better condition. The men are being produced per acre. The men are being produced per acre. The men are being produced per acre."

"The make of cheese is much better condition. The men are being produced per acre. The men are being produced per acre. The men are being produced per acre."

"With reasonable care and cheese will equal but the milk supply is slowly but steadily increasing. The men are being produced per acre. The men are being produced per acre. The men are being produced per acre."

"The men are being produced per acre. The men are being produced per acre. The men are being produced per acre."

CULTURE

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a note book... things work... heights of... in the merits of... grain seed... rain that night... mixtures of... in the annual... BOARD... Farming Soc... cere content... of stock in the... the country had... with them, and... from the living... of the equip... typical milky... distributed by fat... one of the herd of B.H... Ont., and a... College. The... of men were... market toping... of a represent... G. Reed, of... to do the talk... of good sheep... of sheep rais... the live stock

Special shed... interests of... rio. In the... ability to dige... best results... experimental... our best... At most plac... their appreci... by visitin... Mr. R.R... on live stock... were getting... smaller plac... in the large... exception to... the cars were... special repr... opportunity to... our profes... who can help...

enter Fair... been fixed a... of the ne... Toronto. It... the executin... delegates... various... Bookkeeper... Vegetabl... the various... provided for... sleep at a... of a big po... Arrange speci... agricultural... of the fair... this attend... tion will be... thing accom...

Cheese Department

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

The Eastern Situation

Eastern Ontario still lives up to its reputation as the greatest cheese manufacturing section of America. Even there, however, the demands of consumers are beginning to exert their effect and are making inroads on the milk supply of the cheese factories. Particularly is this true of the milk and cream trade. To a smaller extent the manufacture of butter is supplanting the cheese industry.

Farm and Dairy recently received these make from several Eastern Ontario Dairy Instructors, who of all men are right in touch with the dairy situation. Practically all of them made mention of the inroads of the city milk and cream trade. Mr. R. Elliott cites the case of two factories near Ottawa that have been driven put altogether by the demands of the city. The countries near Montreal are all contributing to the milk supply of that city.

WEATHER UNFAVORABLE Combined with these factors that tend to reduce the make of cheese are weather conditions that have not been favorable. The nights and days have been too cold for the dairy cow to do her best work, and several of our correspondents complain of dry weather and short pastures. A synopsis of the reports that have been received follows:

"More milk is being produced and fewer cheeses made than in 1912. Grass is fairly good, but seemingly there is no unusually big flow. More dairy men are feeding grain and more milk is being produced per cow. Whole milk and cream shipping to the city trade is growing fast, and eventually will close many factories in this country."—C. B. LARRY, Glengarry Co.

MAKE TO NATH GOOD "Our make is equally as good as last year, though possibly there may be no gain from now on. Milk is going down rather than up as the weather has been dry and cool. Not much cream or milk is being shipped."—J. BULO, Stormont Co.

"The make of butter and cheese is much less than last year at the same date. Pastures are short and nights are too cold. There is a considerable amount of cream being shipped. Milk is being delivered in much better condition, and the quality of cheese never better."—JES. McALLISTER, Prescott Co.

"The make of cheese in my syndicate compares favorably with last year. I fear that there will be a big setback as the weather keeps dry; a lot of milk and cream is being shipped to the city this year."—Geo. BAKER, Prescott Co.

"Cheese make up to date is about equal to last year, except in three small factories that are losing. Considerable milk is being separated for shipment. Prospects for this date last year are not as bright as at this date and dryness."—A. B. GARDNER, Tremblis, Carleton and Dundas counties.

"With reasonable rainfall butter and cheese will equal last year. City milk supply is slowly but surely crowding out the cheese factories, more so in factories near Ottawa. March have both closed because of the milk trade."—R. ELLIOTT, Renfrew and Carleton counties.

"Prospects for the output of cheese and butter are light. Factories with an average output of 100 tons are down from six to eight cheese a day behind last year."—J. R. BURGOSS, Perth Co.

"Prospects for cheese in my syndicate are not as bright this year as last as the clover pasture was killed and quite a number of farmers are shipping cream to the city. Make of cheese to July 1st will be about 10 per cent short."—C. F. LYNN, Hastings Co.

MAKE FIFTY PER CENT LESS "Prospects for the production of cheese in my syndicate are not up to former years. The make is easily 50 per cent less than last season at the present time. There is not that difference in the amount of milk produced, but a great deal of milk is being shipped to the city dairies."—R. T. GRAY, Hastings and Northumberland counties.

"The make of cheese and butter will be light. The make up to the present is well up to the mark. In some localities the manufacture of butter is being considered more favorable. With a few exceptions all my factories have to compete with the cream shipping trade or creamery."—D. J. CAMERON, Peterboro and Victoria counties.

\$2.50 a cwt. for Milk

This is the price that the farmers on the Island of Orleans in the St. Lawrence River have been receiving for milk made up in their own homes into "Island of Orleans Cheese," according to a bulletin recently issued by the Dairy and Cold Storage Branch at Ottawa. These cheeses, according to Mr. J. C. Chapais who prepared the bulletin, are offered for sale in the stores of Quebec, where they command a ready market. The Island of Orleans cheese is a small, soft cheese of a strong characteristic flavor, which is considered a great delicacy by connoisseurs. The cheese are made not in factories, but in the homes of the people. The cheese are sold wholesale at \$1 a dozen.

For a dozen cheese, four gallons of milk are required, which, at 12 cents a gallon is worth 48 cents. The salt paper or cheese cloth and labor cost 9 1/2 cents, or a total of \$0.57 1/2.

Taking into consideration the cost of material, the following figures are arrived at for a quantity of 150 dozen cheese, the output of an ordinary farm:

- 2 dozen moulds at \$1.20 a doz. \$ 2 40
- 1 pan for draining moulds . . . 0 75
- 5 racks at 40 cents each . . . 2 00
- 2 pans for racks at \$2 each . . . 4 00
- 7 mats at 20 cents each . . . 1 40
- 35 pieces of cloth for ripening at three cents each . . . 1 05
- 2 linen table cloths at \$1 each. . . 2 00

Total . . . . . \$13 60 If the annual wear and tear of this material is estimated at 10 per cent of its value, this leaves a sum of \$1.36, hardly one cent a dozen to be added to the cost of manufacturing 150 dozen cheese. The total cost of production is 58 1/2 cents, or in round numbers 59 cents. As the wholesale price is \$1 a dozen, the profit is 41 cents.

The number of cheese made at St. Pierre, yearly is from 1,200 to 1,600 dozens, or an average of 35 dozen a farm. The total profit thereon is \$653.50, which, divided among the 10 families engaged in the industry, gives \$55.35 a family. The total quantity of milk used is 5,400 gallons or 44,000 lbs. The milk is, therefore, sold at 25 cents a gallon, 10 cents of which is left to the maker. The price obtained for the milk according to the usual mode of computing in ordinary factories, is \$2.50 a cwt.

This bulletin, known as Bulletin 87 can be secured on application to the Dairy and Cold Storage Branch at Ottawa.

For Sale

A flourishing business for immediate sale. Consists of a Cheese and Butter Factory, including skimming outfit, with two Simplex Separators installed. A large winter business. This factory has not been closed since built, winter or summer, and is skimming 10,000 lbs. of milk daily at present.

Also a poultry house, 12 x 60 ft., good barn, ice house with refrigerator, and frame dwelling house with cement cellar under whole house. All first class, in good locality. Rural mail, rural telephone, schoolhouse and blacksmith shop immediately opposite premises. 2 acres of yard and garden.

Write to W. R. KAISER Leeds Co., R. R. No. 3, Lansdowne, Ont.

Tonight Plan whom you will see about taking FARM AND DAIRY



BEAVER DAIRY SUPPLIES

IN SUMMER THE DEMAND FOR MILK INCREASES Are you prepared to handle milk? Would not a few suggestions on coping with the additional trade help you? Write us to-day and we'll send you a book of very helpful suggestions. Our long experience is at your service. Address: DEPT. "B"

WA DRUMMOND & CO. 214-KING ST. EAST. TORONTO - CANADA

CREAM WANTED

We pay the highest city prices for cream delivered sweet or sour at any express lot. We supply cans and rents promptly. We pay an accurate record of each shipment. If it is your experience to ship your cream to the Toronto Creamery, write us.

If interested you should write us. Toronto Creamery Co., Ltd. TORONTO

How do you handle your milk?

ARE you getting every cent, per quart, out of your daily milking? It's all a matter of method. When you know you are disposing of your interest in your dairy that will make it a complete success. Make a comparison by actual figures of your present dairy earnings and what they would be with a

SHARPLES TUBULAR CREAM SEPARATOR

This is easy to do. There is a Sharples agent near you who can quickly bring the facts down to a basis of dollars and cents. Have a talk with him. He will demonstrate the Sharples to you—the unequalled skimming power of its wonderful tubular bowl—the bowl that has only 3 simple parts, which naturally makes the washing and cleaning a very simple matter.

To buy a Sharples is not an expense. You simply apply your money to a most profitable investment so that you make it over and over again, year after year. And the Sharples name is your bond—as it has been for hundreds of thousands of farmers and dairymen for 32 years. Write for our Separator literature. And if you do not know our nearest agent, mention the fact in your request.

THE SHARPLES SEPARATOR CO.

West Chester, Pa. Branch Offices: Chicago, Ill. San Francisco, Cal. Portland, Ore. Dallas, Tex. Toronto. Winnipeg. Agencies Everywhere

If you milk twenty or more cows, the Sharples mechanical tubular holds out wonderful new prospects for you. Write for catalogue.





**SELF-RELIANCE** is all right, but independence is out of the question. No man gets along in life without the co-operation and support of other men.—*Elbert Hubbard.*

## Rose of Old Harpeth

By MARIA THOMPSON DAVIES

"Copyright, 1912, The Bobbs-Merrill Company"

(Continued from last week)

At last she was at liberty to fling her exhausted body on the cool, patched, old linen sheets of the great four-poster which had harbored many of her foremothers and let herself drift out on her own troubled waters. Wrapped in the compassionate darkness she was giving way to the luxury of letting the controlled tears rise to her eyes and the sobs that her white throat ached from suppressing all day were echoing on the stillness when a voice came from the little bed by her bed and the General in disherelled nightshirt and rumpled head rose by her pillow and stood with uncertain feet on his own springy place of repose.

"Rose Mamie," he demanded in an awe-struck tone of voice that fairly trembled through the darkness, "are you a-crying?"

"Yes, Stonie," she answered in a shame-forced gurgle that would have done credit to Jennie Rucker in her worst moments of abasement before the force of the General.

"Does your stomach hurt you?" he demanded in a practical, though sympathetic tone of voice, for so far in his journey along life's road his sleep had only been disturbed by retributive digestive causes.

"No," sniffed Rose Mary with a sob that was tinged with a small laugh. "It's my heart, darling," she added, the sob getting the best of the situation. "Oh, Stonie, Stonie!"

"Now, wait a minute, Rose Mamie," exclaimed the General as he climbed up and perched himself on the edge of the big bed. "Have you done anything you are afraid to tell God about?"

"No," came from the depths of Rose Mary's pillow.

"Then don't cry because you think Mr. Mark ain't coming back, like Miss Rucker said she was afraid you was grieving about when she thought I wasn't a-listening. He's a-comeing back. Me and him have got a bargain."

"What about, Stonie?" came in a much clearer voice from the pillow, and Rose Mary curled herself over nearer to the little bird perched on the edge of her bed.

"About a husband for you," answered Stonie in the reluctant voice that a man usually uses when circumstances force him into taking a woman into his business confidence. "Looked to me like everybody here was a-going to marry everybody else and leave you out, so I asked him to get you one up in New York and I'd pay him for doing it. He's a-going to bring him here on the cars his own self lest he get away before I get him." And the picture that rose in Rose Mary's mind, of the reluctant husband being dragged to her at the

end of a tether by Everett, cut off the sob instantly.

"What—what did you—he say when you asked him about—getting the husband—for you—for me?" asked Rose Mary in a perfect agony of mirth and embarrassment.

"Let me see," said Stonie, and he paused as he tried to repeat Everett's exact words, which had been spoken

while her cheeks burned in the cool linen of her pillow and her eyes fairly glistened into the night.

"About all," answered the General, beginning to yawn with the interrupted slumber. "I told him your children would have to mind me and Tobe when we spoke to 'em. He kinder choked then and said all right. Then we bear-hugged for keeps until he comes again. I'm sleepy now."

"Oh, Stonie, darling, thank you for waking up, and coming to comfort Rose Mamie," she said, and from its very fullness a happy little sob escaped from her heart.

"I tell you, Rose Mamie," said the General, instantly again sympathetically alarmed, "I'd better come over in your bed and go to sleep. You can put your head on my shoulder and if you cry, getting me wet will wake me up to keep care of you again, 'cause I am so sleepy now if you was to holler louder than Tucker Potest I wouldn't wake up no more." And sitting his actions to his proposition the General stretched himself out beside Rose Mary, buried his tanned head on her pillow and presented a diminutive though sturdy little abuser, against which she instantly laid her soft cheek.

"You scrounce just like the puppy," was his appreciative comment of her gentle nesting against his little body. "Now I'm going to sleep, but if pray-

which awakened with one second's sense of melancholy oppression. A dust-laden wind blew down Providence Road, tearing the branches of the tall maples along the way, and roughly at the festoons of blossoming vines over the gables of the house started the nestled doves into a cawing, whirring, whirring, as if a row of tall hollyhocks along the garden fence, flouted the long spikes of jack-beans and carried their quaint fragrance to pour it over the bed of a sober-colored mignonette, mingling with the pungent zinnia odor, and flinging it all over into the clove field across the briar hedge. The wind old sun did his very best, to light up the situation, but just as he was succeeding in getting a ray down into Valley a great puff of cloud would come a grey shadow of suppression over his effort and retire him sternly for another half hour.

And on the wings of the intruding out-of-season wind came a train of daylight and howled diametrically with pain that seemed to be all over the town in spots. When he went to take down the store shutters Mr. Crabtree started the old Mr. Jerges, green with spreading thumbs and Mr. Rucker's breakfast eggs burned to a crisp state while she tied it up in cambric for him. In the night a mosquito laid a bite on the ear end of Jennie's small nose and it was as if it were its natural size, and Peter, the dog, barked a plump shin before he was well out of the trundle bed. One of Young Bob's mules broke away and necessitated a trip half way to Providence for his capture, and Miss Plunkett had Louisa Helen so busy with some domestic manoeuvres that she found it impossible to go with him.

And before noon the whole village was in a fervid state of commotion. Mrs. Tucker had insisted on moving Mr. Crabtree to all his effects over into the domestic of his prospective bride, regardless of both her and his abashed remonstrance.

"Them squeaks are all foolshakes," Lou Plunkett, who had answered a faint plea from the widow for a baby until the ceremony for this latest mingling of the to-be-united line. "It's all right and proper for you and Mr. Crabtree to be married at night meeting Sunday, and his things was unmarried in your house until through Saturday and Sunday. It's a-going to pack up his Sunday clothes, a pair of clean socks, a shirt and other things in this basket. Then I'll bring him up a shake-down in my parlour Saturday night in, and I'll dress him up nice and fine for his wedding you may be sure. We ain't got but this day to move him out and clean up the house good to move the Mary and the old folks into early Sunday morning, so just come on and get to work. You can shut your eyes to his things setting around your house for just them one day or in can't you?"

"They ain't nothing in this world I couldn't do to make it just the trest mite easier for Rose Mary and them sweet old folks, even to get my house into an unseemly manner condition before hand," answered Mrs. Plunkett as she brushed a tear away from her blue eyes.

"That's the way we all feel," said Mrs. Rucker. "Now if I was you I'd give Mr. Crabtree a pair of clean drawers. Men are apt to poke their drawers away careless if they has the top, and the bottom one is best to use for your own things." Mr. Satterhille slipped his clothes so it was a pleasure to look at 'em, but Cal Rucker offers a pair of socks separated and the house if he can get them that found one of his undershirts full of mud and stuck so it was a pleasure with the cup towel last night.

(To be continued.)



What Did He Say About Getting a Husband For Me?

in a manner that had impressed them on the General at the time. "He said that you wasn't a-going to have no husband but the best kind if he had to kill him no, he said that if he was to have to go dead himself he would come and bring him to me, when he got his good enough for you, or going right and such."

"Was that all?" asked Rose Mary with a gurgle that was well nigh ecstatic, for through her had shot a quiver of hope that set every pulse in her body beating hot and strong,

ing to God don't keep you from crying, then wake me up," and with this generous and really heroic offer the General drifted off again into the depths, into which he soon drew Rose Mary with him, comforted by his faith and lulled in his strong little arms.

### CHAPTER X IN THE HOLLOW OF HIS HAND.

And the next morning a threatening, scowling, tossed-cloud dawn brought the day over the head of Old Harpeth down upon little Sweetbriar,

## The Upward

### Strength to D

One day I saw a man looking through a window, a private group of people, and I thought: "Oh! I'm a man!" Then he said: "No! I do not either." I would not have his name.

Daniel was his name, though so young, in his science, his question. "What would Daniel do?" he asked. "No! I do not either." I would not have his name. The little Prince Daniel was a captive, when he was a great conqueror. Nebuchadnezzar, intelligent, made such an impression on the King, that among other things, with three companions, he might be taught the language of the Chaldeans.

"And the King appointed a daily provision of the food of the wine which

A TEST OF COU

Then began the boy's conscience. But when his home and soon good influence, he had



**F**  
**M**

### The Upward Look

#### Strength to Do the Right

One day I saw a manly little lad of six, looking through a gate into beautiful private grounds. Wistfully he sighed: "Oh! I wish all that was mine!" Then he said resolutely: "No! I do not either, because Daniel would not have wished that."

Daniel was his ideal, and even though so young, in all matters of conscience, his question always was: "What would Daniel have done?"

We do not wonder, that the story of that wonderful life appealed so much to that sensitive, imaginative child. The little Prince Daniel was carried away a captive, when a child, by the great conqueror Nebuchadnezzar. The handsome, intelligent, lovable boy made such an impression upon the King, that among others he was chosen, with three companions, to be taught up in the palace, that they might be taught the learning and the language of the Chaldeans.

"And the King appointed them a daily provision of the King's meat and of the wine which he drank."

#### A TEST OF COURAGE

Then began the boy's struggle with his conscience. But though so far from his home and seemingly from all good influences, he had the strength

to resist, what he considered was wrong for him to do. "But Daniel was wrong for him to do," he would purposed in his heart, that he would not defile himself, with the portion of the King's meat, nor with the wine which he drank." The prince tender love for the boy, yielded to his earnest request, and gave those four children of Judah, "simply pulse to eat and water to drink." And God gave them knowledge and skill in all wisdom and learning so that at the

Empire." Then came the hour of his greatest temptation. Naturally many had become his enemies, so being this young foreigner, once a captive, becoming so powerful.

Then the presidents and princes sought to find fault with him, but they could find none. "forasmuch as he was faithful." How much that last word means, not because he was wise and clever, but because he was "faithful." What a tribute it was also to him, that those enemies knew,

from the habit, which had been his, from childhood.

"Now when Daniel knew that the writing was signed, he went into his house; and his window being open he knelt upon his knees, three times a day, and prayed and gave thanks before his God, as he did aforetime."

Think of it, "gave thanks" when he knew the penalty, that would be sure to follow!

And the penalty did follow, but the deliverance came with it. Will you not read the wonderful story again, in the Sixth Chapter of Daniel? Which was the happier man, the King in his palace, or Daniel in the lions' den?

There is a Mohammedan tradition that Daniel died at Susa, where his tomb is still shown and is visited by crowds of Pilgrims.—J. H. N.

SOME one has said: "The first step toward happiness is to determine to be happy." To get up each morning determined to be happy, to take anew this attitude of mind whenever the dark or doleful thought presents itself, is to set our own conditions to the events of each day. It is thus that we condition circumstances instead of allowing ourselves to be conditioned by them.

of three years when the King inquired of them, he found them wiser than the magicians and astrologers of his realm.

Owing to this God-given wisdom, and wonderful power of interpreting dreams, Daniel advanced rapidly, becoming "ruler of the whole province of Babylon." Later he interpreted the handwriting on the wall, which disturbed the Feast of Belshazzar.

When Darius became King, Daniel reached the height of his power, being first of the three "presidents of the

that they could find no fault in him, except in his loyalty to his Heavenly Father.

Then they induced the King to pass the decrees, that "whosoever should make a petition to any God or man, save the King, for 30 days should be cast into the den of lions." How easy it would have been, for Daniel to have prayed in secret or to have omitted his prayers for only 30 days? We can but wonder if the struggle with his conscience was a very fierce one, but this noted ruler never averred

#### Hot Water Ever on Hand

By Sunbeam.

When preparing meals it is a great advantage to have plenty of dish-water heating at the same time, so doing we economize fuel; and then much worry is saved after meals of waiting until water is heated. I have so often seen housekeepers compelled to do this just because they had not used forethought.

We always keep an abundant supply of water in store and are thus ready for any emergency. There is ever need for plenty of hot water, especially in a farm house.

## Try this Thirsty Flour

**A very thirsty flour. Absorbs a lot of water. Because it contains so much gluten. Manitoba wheat is wonderfully rich in sturdy gluten. And, think of it, FIVE ROSES is milled exclusively from the very cream of the Manitoba wheat berries. So FIVE ROSES must be awfully thirsty, don't you see. In your mixing bowl it greedily absorbs mere water. So you get more loaves than usual without using more flour. You use less. Your flour lasts longer, doesn't it? Less trips to your dealer. That's how FIVE ROSES saves money. Actually saves YOU money. Use this economical flour.**



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Not Blended

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HAS NO EQUAL FOR CLEANING METALS & WOOD



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Midsummer party arriving about August 3rd. Autumn sailings begin about September 1st, and weekly after. Orders taken now for autumn sailings. Apply  
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 IN THE CASE OF THE IXL WASHER  
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 BY FAVOR OF THE I. L. VACUUM WASHER  
 PRICE, \$3.50  
 Washes Anything and Everything from a Home-Blanket and Overalls to the Finest Laces with No Rubbing  
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 Washes a Full Tub of Clothes in 3 Minutes Perfectly  
 Not Only Washes but Rinses and Squeezes  
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 Cut out and mail coupon with your name and address with \$1.00 in Dominion Cigarettes Manufacturing Co., Ltd. 441 Main Street, Winnipeg, Man., and you will receive One I. L. VACUUM WASHER. All charges prepaid anywhere in Canada on condition that your money is refunded if the Washer does not do up to standard.

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**FINE Grain Sugar**

To have every grain alike, size of dots at left, each one choice extra Granulated White pure cane sugar, get the St. Lawrence in bags, with red tag—100 lbs., \$5.75, or 20 lbs.

**MEDIUM Grain**

In the bags of St. Lawrence in blue tags—every grain (each) medium sized sugar, about size of a seed pearl, every one pure cane sugar.

**COARSE Grain**

Many growers prefer the coarser grain. The St. Lawrence Green Tag sugar every grain distinct in crystal, each about the size of a small diamond, and almost as bright, but quickly melted into pure sweetness.

Your grocery wholesaler has the exact style you want—grain, quality and quantity all guaranteed.

St. Lawrence Sugar Refineries Limited, Montreal.

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 THE ARLINGTON CO. OF CANADA, LTD.  
 28 PRINCE ARCADE TORONTO  
 all "ARLINGTON COLLAGS" are good, but our CHALLENGE BRAND is the best

**SEND \$1.00**  
 receive by mail 4 Shirt Waists, one of White Lawn, one of Blue, one of Green, one of Pink, all different; also 24 pairs of socks; add 10¢ for postage.  
 STANDARD GARMENT COMPANY.  
 LONDON, ONT.

**GRAND TRUNK SYSTEM NEW SERVICE**  
 BETWEEN TORONTO-SARNIA-SAULT STE. MARIE  
 PORT ARTHUR-FORT WILLIAM-WINNIPEG  
**STEAMBOAT SPECIAL** Effective June 7th  

St. Toronto, G.T.R.	10:45 a.m.—Mon., Wed., Sat.
Hamilton	11:35 a.m.—Mon., Wed., Sat.
London	12:15 a.m.—Mon., Wed., Sat.
Sarnia Wharf, Nor. Nav. Co.	1:45 p.m.—Mon., Wed., Sat.
S. S. Marie, Ont. Nor. Nav. Co.	2:10 p.m.—Mon., Wed., Sat.
Ar. Port Arthur, Nor. Nav. Co.	4:30 p.m.—Thurs., Sun.—100 p.m. Tues.
Port William, Nor. Nav. Co.	7:30 a.m.—Mon., Wed., Sat.
Winnipeg, G.T.P. Railway	9:00 a.m.—Mon., Fri.—2:30 p.m. Wed., 7:45 a.m.—Tues., Thurs., Sat.

Parlor-Cafe, Sleeping Cars and First-class Coaches between Toronto and Sarnia Wharf. Standard Sleeping Cars (electric lights in lower and upper berths), Colonial Sleeping Cars (berths free), Dining Car and Coaches between Port William and Winnipeg. Commencing June 16th a through electric lighted Standard Sleeping Car will be operated between Port William, Winnipeg, Sault Ste. Marie and Edmonton. This is the inauguration of Grand Trunk Lake and Rail Route Service between Eastern and Western Canada. A Special Train will run the reverse way from Sarnia Wharf to Toronto, commencing June 16th, each Tuesday, Friday and Sunday therefrom. Full particulars, Reservations or write application to Grand Trunk Agency, or write C. E. HORNING, D.P.A. Union Station, TORONTO, ONT.

**Vegetables in Summer Menu**

The summer menu should always include a generous supply of vegetables, either cooked or raw, because they are cooling and purify the blood, and some of the starchy vegetables are very nourishing. Green peas, green beans and corn on the cob, also potatoes, are classed as nourishing vegetables. Peas and beans are rich in tissue-building material, and the starch in all of them is a good source of energy.

Unfortunately, many vegetables are made almost useless by cooking; green peas especially are often spoiled by cooking in too large a quantity of water. There should be very little if any water to drain off, and a still better way is to parboil the peas for 10 minutes in water, then drain and add a small piece of butter to just enough water to prevent burning; then allow the peas to simmer in this until they are tender. If salt is not to be used, green peas and beans until they are nearly done, they will be more tender and all green vegetables should be cooked uncovered to retain fresh color.

There is no vegetable more wholesome than spinach, for no other contains a larger quantity of iron. When any vegetable is cooked in a large quantity of water that must be drained off, much of the valuable minerals are lost, so any method of preparing them that permits of steaming or cooking in a small amount of water is preferable to any other. Spinach may be steamed, thus retaining almost all of the minerals, and when really young and tender may be put into a saucepan, heated slowly, and then cooked until tender in its own juices. Served with fresh butter and seasoned to taste with salt and pepper, this is really a delicious way to prepare one of our most valuable vegetables. Ex.

**THE COOK'S CORNER**

Recipes for publication are requested. Inquiries regarding any recipe, etc., should be sent to the Farm and Dairy, Peterboro, Ont.

**An Excellent Salad.**—One cup finely chopped celery, one cup Malaga grapes chopped and seeded, one-half cup chopped walnuts. Mix these three ingredients and pour over any good cream salad dressing.

**Lily Cake.**—One-half cup butter (scant), one and three-quarter cups sugar, two-thirds cup milk, one-third cup flour, three and one-half teaspoonfuls baking powder, four eggs, one-half teaspoonful extract one teaspoonful vanilla.

**Ham Toast.**—To one pint chopped boiled ham, add two beaten eggs, one half cup cream and salt and pepper. Heat this mixture until it forms a custard, then spread on slices of hot buttered toast. Serve at once. An easy breakfast dish.

**Mock Chicken Pie.**—Cut two pounds pork chops from the bone, put in baking dish, season well and cook until done. Prepare a rich biscuit dough, cut into tiny rounds, and place over simmering meat. Put all into a hot oven, and bake until brown. Dot with butter and serve at once. A good recipe for rich chicken pie.

**Creamed Cheese and Eggs.**—Three hard-boiled eggs, one tablespoonful of flour, one cupful of milk, one-half teaspoonful of salt, one cup of cottage cheese, one-fourth cupful of oil, one ounce of grated cheese, four slices of toast. Take a thin white sauce with the flour and milk and seasonings. Add the cheese and stir well melted. Chop the whites, and add them to the sauce. Pour the sauce over the toast, force the yolks through a potato-riser or strainer, sprinkle over the toast.

**The Sewing Room**

Patterns 10 cents each. Order by number and size. For children give age; for adults give five inch measure for waist and waist measure for skirts. Address orders to the Pattern Department.

**SEMI-PRINCESSE DRESS FOR MISSES AND SMALL WOMEN, 788**

Both young girls and small women will find this dress a most desirable one. The three-piece pattern is a pretty dress that is sure to be liked. It includes the collar and cuffs at the shoulder and on the sleeves. It requires 7 1/2 yards of 27 inch material 27, 29 or 31 inch wide, with 1 1/2 yards for the collar and cuffs. For the collar and cuffs 29 to 32 inches in length. The skirt is 36 inches wide at lower edge. This pattern is in sizes for 16 and 18 years.

GIRL'S BALKAN DRESS, 787

This dress, of a pleasing and modern design is one of the prettiest and smartest for summer wear. In one view, the wide white ribbon is used, and in the other, it is plain. In one of the views, the dress is embroidered and worn with belt of deep ribbon. In the plain white gaiters is trimmed with through slashes or notched gaiters. The belt can be passed through slashes or notched gaiters. This pattern is in sizes for girls of 12 to 18 years.

**PLAIN AND MOUSQUETAIRE SLEEVES 788**

It has been well and truly said that the style of the dress makes the date of the gown and, consequently, it is important that its sleeve should be up-to-date. Here are three new ones and the first can be utilized for an old gown and re-making it into a younger and older one. The mousquetaire consists of one piece arranged over a plain foundation and, when the effect is liked, this foundation may be overlapped edge giving very good effect and can be trimmed just as illustrated or in any way that may be desired. The plain sleeve practically alike. The plain sleeve practically alike. This pattern is cut in three sizes, and 34 or medium 33 or 40, large 42 or 44 inches bust.

**TUCKED BLOUSE, 784**

The tucked blouse with notched collar is one of the prettiest possible at a favorable price. It is made of white crepe de chine with collar, cuffs and Bulgarian silk. The same model is made of marquisette, for the latter is a very desirable material and the materials are arranged for blouse and dress. It is enough to be made of silk. The skirt always can be just a chemise of net, and each waist but the net collar is a 3 1/2 inch bust measure.



This pattern is cut in sizes from 34 to 44 inches bust measure.

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 Linden Herd High  
 an out of the  
 an offering Bull  
 me and younger  
 one day average  
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 and 25.00 lbs. year  
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 Young Bulls, from  
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 all age  
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**SIR ADMIRAL**  
 Bull 8 mos.—right in eve  
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**Lakeview H**  
 Bull calves only for  
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 Here for extra good  
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**KING SEGIS PONTIAC**  
 Combines in the closest  
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 Bull 2 yrs. 25 lbs. 25

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 He not only has the chea  
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 Dam, Lord Keyes, Sir  
 Pontiac, which cannot be  
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 He calves are big and  
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Combines in the closest degree the blood of King Segis Pontiac...

LUCYNE JIVERS TOCK FARM... the best young bull in the land.

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BULL CALF

Dam, Lulu Kaye, Sr., our Imported Herd Bull, Sr. Dora...

D. B. TRACY... but the selling price is moderate.

OUR FARMER'S CLUB

QUEBEC COMPTON, June 23, Q. E. We are having fine weather now, but rather cool, with not an... of grain in the field.

PRINCE EDWARD CO., ONT.

HEARTER TOWNSHIPS, June 25. We will have better crops. It does not seem to be good all through the country.

HEMLOCK FARM, ONT.

Our good 2-year-old farmers are quite well, which seems to be in a fine crop...

TALBOTVILLE, ONT.

My 2-year-old farmer has had some severe struts, and the lightning has caught fire while the milking was under in putting it out.

ALBERTA

RED DEER DIST. ALBERTA RED DEER, June 19. The Laurentia milk cow is paying 17 cts. for milk...

GOSSIP

STOLSTEIN-FRIELAND RECORDS FROM MAY 16 TO MAY 1913... Lady Alice... 145 lbs. fat, 15.68...

Senior Four Year Class Gregho... 17.74 lbs. fat, 21.42 lbs. butter...

Senior Three Year Class Annie Clay's... 15.88 lbs. fat, 16.25 lbs. butter...

Senior Two Year Class Elsie De Kol... 17.78 lbs. fat, 21.36 lbs. butter...

Senior One Year Class May Deke Ormsby... 17.00 lbs. fat, 16.48 lbs. butter...

Senior Two Year Class Netherland... 17.35 lbs. fat, 21.53 lbs. butter...

HOLSTEINS

WAMPBELL TOWN HOLSTEINS... This week we offer Bull Calif, born April 23, 1913.

OXFORD DISTRICT

The Holland of North America In the place to buy Holsteins of quality...

SPRING BROOK Holsteins and Tamworths

Herd headed by Sir Korndyke Boom, one of the best sons of Pontiac Korndyke...

FAIRVIEW FARMS HERD

Offers Sons of PONTIAC KORNDYKE, bred for service in the near future or younger...

HOLSTEINS

Lyndale Holsteins

We are now offering Bull Calves from 1 month to 7 months old. All are from official record dams...

ELMDALE DAIRY HOLSTEINS

238541-1 - Female calves, light-colored, rose 2-year-olds up to 20 lbs. and one 3-year-old...

Avondale Stock Farm

A. C. HARDY, PROPRIETOR. HERD SIRES Prince Hengerveld Pledge, 8230 (56,482)...

The Great \$10,000 Bull

(King Segis Pontiac Alcartra) Sired the great young bull I have recently placed in my herd...

The dam of this new bull, whose picture we have seen recently in Farm and Dairy...

The records of 10 of nearest dams of this new bull of mine average, for the pen, 28 lbs. butter in 7 days...

You know that my mature herd bull, Prince Hengerveld of the Pontiacs, has for a sister the world's greatest butter cow...

SPRING FARM PONTIAC LASS

44.152 lbs. butter in 7 days Milk tested 6.028% fat

This great bull of mine has for his sisters 13 cows that have broken world's records.

It will pay you to make use of one or two of these bulls in some of your best cows. Write for particulars regarding service fees.

GORDON S. GOODERHAM

The Manor Farm - Bedford Park, Ont.

**7% BONDS**  
**PROFIT-SHARING**  
 Series \$100, \$500 and \$1000  
**TERMS 5 YEARS**

Withdrawable after one year  
 Send for special folder

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Carries its own live shaft, pulleys, belt tightener for belt, equal to any job anywhere, at any distance.



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**GOLDEN FERN LAI STRAIN**  
**JERSEYS OF HEAVY PRODUCERS**

We have for sale 4 Yearling Bulls ready for service; 4 Yearling Heifers, Calves both male and female; and females of all ages.

Visit our herd (40 cows now milking). Write us about Jersey you want. **D. FITCHAM**.

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**AYRSHIRES**

**Burnside Ayrshires**

Winners in the show ring and dairy tests. Animals of both sexes. Imported or Canadian bred. For sale.

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

**TANGLEWOLD AYRSHIRES**

The Highest yielding herd Average test 23 cows—4.44 per cent butter-fat.

Champion bred Tongue Bulls and Bull Calves by Royal Star of Bonnie Brae. One of the champion B.O.P. butter-fat cows. Bilem—6.84 per cent fat, and from B.O.P. dams.

If you want high-class Ayrshires write or come and see.

**WOODSIDE BROS., ROTHSAY, ONT.**  
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**AYRSHIRE CATTLE AND YORKSHIRE PIGS**  
 For Sale—Ayrshire Cattle and Bulls, and for service. Yorkshire pigs, \$5.00 each or, if registered, \$5.00. All the above are from first price stock. Send in orders now, with instructions re shipments later. Apply to **BON, W. OWENS, Prop., or ROBERT SUTTON, Man. Brantford, Ont.**  
 Brantford, Ont., Brantford, Ont.

**Ravensdale Stock Farm**

**PILLSBURY, QUE.**

Special offering of Bulls. At for service. Write for breeding and prices.

**W. F. KAY, M. P., Proprietor.**

**CHOICE AYRSHIRE BULL**

Only one left of the outstanding sire Duke of Ayr, the champion R. P. of P. cow of Canada. 12 months old, light colored, 2 sisters of R. P. and a family with good test. Also 3 very choice Spring Bull Calves from high R. P. dams. Write for breeding and prices.

**W. W. Hallattyn, H. B. B., Stratford, Ont.**

**AYRSHIRE COW AND CALF FOR SALE**

Ruby, 2700, bred by Woodless Bros., Rothsay, raising 1250 lbs. Weighs 973 lbs. milk and tested 363 lbs butter fat in 345 days in R. P. of Ayr—old. In pink condition at present time. Pink of condition. Has had four better calf of June 8th. Both are nearly pure white.

**DR. E. FLATH, DRAYTON, Ont.**

**MARKET REVIEW AND FORECAST**

Toronto, Monday, June 30.—A spring very unfavorable to seeding thus far, but not so unfavorable to growth, has now been succeeded by general rain and warm, bright weather. Crop conditions have decidedly improved, although they are not yet so good as they were. Reports from Western Canada are condoning, but a summer crop of wheat is generally expected. Reports such as these are good for wheat and wholemeal trade has been "looking up" this past week.

Markets have been rather dull and there is little report in the line of prices except for week live stock all changes are declines.

**WHEAT**

Foreign buyers are very slow in their demands for wheat at present prices. They are looking for bumper crops of wheat in various parts of the world, and are now buying only for present needs. Weather reports also have been most favorable, and prices have declined a trifle. There is a good market in Ontario wheat No. 1 Northern, \$1.02 1/2; No. 2, \$1.01 1/2; No. 3; food wheat, 60c; Ontario wheat, 57c to 58c and down to 56c for poorer grades.

**COARSE GRAINS**

Oats are the best sellers now-a-days. Corn is a good market. Quotations are as follows: Oats, C.W. No. 2, 29c to 40c; No. 3, 29c to 36c; Ontario No. 2, 36c to 40c; No. 3, 36c to 40c; on track; corn, 56c to 60c; pea, 51c to 53c; chick peas, 55c to 58c; barley, malling, 50c to 53c; 70c to 80c; Montreal quotations are: Oats, C.W. No. 1, 31c to 40c; No. 2, 30c to 39c; No. 3, 29c to 38c; rye, malling, 52c to 55c; feed, 50c to 51c; buckwheat, 50c to 53c for poorer grades.

**MILL FEEDS**

Mill feeds here are firm. At Montreal decidedly stronger. Flour, \$18 to 19; shorts, 32c; middlings, 32c to 33c. Montreal bran is \$18; abraded, 19c and middlings, 32c.

**HAY AND STRAW**

Demand for hay is keener, but so far prices have not advanced. Loco is being delivered on the market is up a couple of dollars. Quotations are as follows: hay, \$11.50 to \$12; No. 2, \$8 to \$9; No. 3, \$7 to \$8; baled straw, \$7 to \$8.50. Receipts at Montreal for No. 1, 100; No. 2, 80; No. 3, 80 to \$15. No. 2, \$11.50 to \$12; No. 3, \$9 to \$10.

**FRUIT AND VEGETABLES**

Wholesale houses are quoting as follows: Strawberries, 12c to 13c; cherries, 11c to 14c; basket, \$1.25 to \$1.50; air-dried, basket, 50c to 75c; gooseberries, 11c to 14c; raspberries, 10c to 13c; currants, 20c.

**HIDES AND WOOL**

Wholesale dealers are quoting as follows: Hides, cured, 13c; green, 12c; horse hides, No. 1, \$3.75 to \$4 horse hair, 30c; skin, 10c; sheep skins, \$1.50 to \$1.65; lamb skins, 50c to 70c.

**GRAIN AND BEANS**

Ontario potatoes are quite plentiful. Seedling is completed and the surplus is coming to market. Consequently, prices are on the decline. Ontario potatoes bring 75c to 80c; New Brunswick's \$1.10 to \$1.25; new potatoes from Ontario, \$2.25 a barrel. Prime beans here sell at \$1.75 to \$2; hard picked, \$2.25 to \$2.40.

**HONEY**

Quotations are as follows: Strained clover honey, \$1.50 to \$1.75; retail, \$1.75 to \$1.90; 13c in five-penny tins; buckwheat, 9c in tins; 14c in 5 lb; comb honey, 10c to 15c.

**EGGS AND POULTRY**

The egg market is somewhat surplus there is going into storage, but the surplus is not great. Wholesale quotes now laid eggs at 21c to 23c. Retail price is 26c to 28c. Montreal dealers are paying 22c to 24c.

**Wholesale quotations on poultry are:**  
 Fresh killed chickens, 15c to 22c; Iowa, 15c to 18c; white Leghorns, 16c to 20c; turkey, 20c to 28c; spring chickens, 15c to 20c.

**DAIRY PRODUCE**

So seriously has the demand for milk advanced that consumption cut into dairy supplies that a great demand has not been accompanied by increased production. Wholesale quotes are as follows: Creamery prime, 25c to 28c; solids, 14c to 20c; dairy prime, 22c to 26c and inferior 16c to 18c. New twins are quoted at 14c to 18c; old twins, 12c to 15c; 12c to 14c.

**CHEESE**

At the Union House change demand is only fair. Medium priced and heavy grades, best. Heavy draft, \$200 to \$350; wagon horse, \$100 to \$120; general purpose, \$155 to \$225; drivers, \$140 to \$200; occasionally some near \$250.

**LIVE STOCK**

Canadians are not heavy meat eaters in this country. Hence, the market for sheep in the early part of the week and we have an explanation of why prices are

not as high now as they were then. Light helped to decline the latter days of the week, but the advance in prices were recorded. Choice from \$6.25 to \$7; choice butchers about \$6.25 to \$6.50. Choice of the yearling quarter a similar drop to \$6.50 to \$6.90; good to good, \$2.25 to \$6.50; common as quoted as follows: Choice, \$5.50 to \$6; good, \$5 to \$6; medium to medium, \$3 to \$5; Bulls, \$3 to \$5; common to medium, \$2 to \$4.50; stockers, \$1.50 to \$2; canners and cullies, \$1.25 to \$3. Choice milk cows are steady at \$80 to \$100; springers, \$50 to \$65. Valves are \$65 to \$9.50.

**Mutton** too has suffered a decline with warm weather and liberal receipts. Spring lambs are now \$7.50 each; yearlings, \$7.25 to \$8.50. Cow down, \$4 to \$6.75; culls, \$3 to \$4.

**Hogs** too are down. The \$16 mark was too good to stand. Packers are now selling \$9.15 to \$12.15 for country points; heavy, \$8.60 and some, \$7.90.

**MONTREAL HOG MARKET**

Montreal, Saturday, June 29.—In sympathy with the weaker feeling in the Toronto market this week, there was a decline, weighed off more for live hogs, selected culls, and pigs, and a smaller decline in a few light hogs at the beginning of the week. At the above reduction, an expected neat gain remained from packers and sales of selected hogs at \$19.50 per head in a well-weighted car. There was no late run for heavy hogs, owing to the fact that packers did not follow the advance in line a week ago. The demand for fresh-killed is fair at \$14.25 to \$14.50.

**EXPORT CHEESE TRADE**

Montreal, Saturday, June 29.—The market for cheese this week has remained quiet, but prices firm, maintained at the level reached last week. The bulk of the cheese in this week has been sold, as they did last week, with color and weight at a premium, as high as 1c a pound over the market. The market was good. Everything offered at Platon sold was generally accepted. During the past few weeks, the factories have been making more cheese to help pay the bill, and it is now being shipped to various parts of the world and buyers generally are making special efforts to get possession of their receipts continue to show a falling off of 30,000 less a week just this week. It is not this will be maintained remains to be seen, but the shortage kept up throughout the remainder of the year. Higher prices may prevail than those current, but the course of prices depends entirely upon the size of the make. The market is slowly and steadily advancing under the influence of a demand, and most Eastern Townships are quoted at 25c to 28c; western, 28c to 32c; at 25c. There is a larger make of butter this year and receipts have had a dampening influence upon the market, traders fearing to buy the June for stock storage. This has been more speculative trading than the advance in prices has been the result.

**CHEESE MARKETS**

Late July, June 27.—Cheese offered, 1,850 celled and 1,683 white. Bidding on the market was 12c, and the rest 10c to 11c.

Ordered cheese, boards 27-28 white and 57c colored. Boards 27-28 white and 57c colored. Cornwall, June 27.—500 white and 1,643 colored. White, boards, 27c and 59c celled and 12c. The balance of white and colored at 23c, and the colored at 17c.

Montreal, July 1.—The Montreal Cattle and Horse Society of Cheese Makers sold 1,437 boxes of cheese. The following are the sales: 308 No. 3, 13 1/2¢; 174 No. 2, 12 1/2¢; 267 No. 2, 12¢; 237 No. 2, 12 1/2¢; 100 No. 1, 10¢; 409 No. 2, 10 1/2¢; 100 No. 1, 10 1/2¢.

**SULLIVAN'S PERCHURON IMPORTATION REPORT**

Editor, Farm and Dairy.—I have just returned from a trip among the Perchurons in Illinois and Indiana in quest of some good Perchurons here. I have seen and heard of a number of good ones. All breeders and good workers; in fact I am now better bred to be found in a Perchuron than I have in this lot.

Ruth King, a fine mare, white and white face, will weigh close to a ton that great horse King, a direct descendant of a Perchuron, bred by the Perchurons, imported and owned by Ellwood King, of Yorkville, Ontario, and the talar King, I sold at Brantford, Ontario, and imported a large lot, weighed and is black, eight years old, weighed and now, by Ontario, Sir. She is the dam of Mar-

**GASOLINE ENGINES**  
 14 to 80 H.P.

**SEALED TENDERS**

underrigged and equipped for service. Capacity 400 P.P. for the constant loading at Lakeside, Ont. Plans, specification and details on application to the field. Out at the office of the Engineer, Mr. T. J. Yost, St. Catharines, Ont.

Persons tendering bids will not be considered unless they have first had their actual sign, occupation and place of residence of each member of the committee, and the nature of the contract to be given.

Each tender must be sealed, and accompanied by a check for the order of the Engineer of Public Works in the sum of \$100.00 per cent (10 per cent) of tender, which will be sent tendering decline in case when called upon to complete the work. The balance of the tender will be returned.

The contract must be accepted the lowest or a tender, which will be sent tendering decline in case when called upon to complete the work.

By order,  
 R. C. DEED  
 Department of Public Works  
 Ottawa, Ont.

**WINDMILLS**

Grain Stacker, Water Boxes, Wind Saw, Frames, Pumps, Tanks, etc.

**GOOD, SHAPLEY & MUIR CO., LTD.**  
 Brantford Windmill Calvey.

**Percheron**

Standardbred and other horses for sale. Car for sale. Write for literature. **W. F. SULLIVAN**, Windsor, Ont.

**Clydesdale Fillys and Stallions**

We have a choice selection, prize-winners, and stock of approved conformation and the ability to produce progeny. Priced to sell. Write for details. **Smith & Richardson, Columbus, Ont.**

**HOLSTEINS**

Purebred Registered **HOLSTEIN CATTLE**  
 The Greatest Dairy Breed

**Holstein Frisian Assoc., Box 148, Brantford.**

**Two Holstein Bulls**

Fifteen months old, one from a two-month cow. Good individuals.

**H. P. HICKS, NEWTON BROOK, YORK.**

**PURE-BRED HOLSTEIN BULL**

Six months, nearly white, nicely made, straight and very thriving. Sold to Honorable De Kol Princes, Ontario, is Lady Abbecker De Kol, changed grand dam. Winter fair, 1911, as best bull in the breed. Price moderate. **Herbol De Kol, Price moderate.**

**SINCLAIR ADOLPH**  
 R. R. No. 2 GOWANSTOWN, ONT.

**THE ONLY ONE**

place in Canada where you can buy Bull Calf bred by the greatest bull in the world (Dun, Pontiac Lady Kordey 30,803), now replacing Pontiac Kordey at North Star. Why not write now for better still, come and see them.

**J. W. STEWART - LYN, ONT.**

**Forest Ridge Holsteins**

**INTERNATIONAL GALL OVE**

**HERD** "KING SEED PIETRIER" SIRE "EMERICK KING FINE" FAVOR 313c, butter in 7 days.

The dams of these two sires average over 313c, butter in 7 days.

Present offering a few young bulls bred by a first-class breeder, with a choice young cows bred by his best.

Write for literature.

**L. H. LIPSIT, Prop.**  
 Stratford, Ontario - Elgin Co., Ont.

**INTERNATIONAL STOCK**  
 LIMITED

**SEALED TENDERS**

underrigged and equipped for service. Capacity 400 P.P. for the constant loading at Lakeside, Ont. Plans, specification and details on application to the field. Out at the office of the Engineer, Mr. T. J. Yost, St. Catharines, Ont.

**SEALED TENDERS**

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**INTERNATIONAL GALL OVE**

**HERD** "KING SEED PIETRIER" SIRE "EMERICK KING FINE" FAVOR 313c, butter in 7 days.

Write for literature.

**L. H. LIPSIT, Prop.**  
 Stratford, Ontario - Elgin Co., Ont.

ENGINES

...and Tractor...
...MILLS...
...Water Tanks, etc...
...MUIR CO., LTD...
...Percheron...
...ALL...
...F. J. SULLIVAN...
...Windsor, Ont.

SEALED TENDERS addressed to the undersigned and endorsed "Tender for...
...of the office of Mr. Thos. Hasten...

Notice tendering are notified that tenders will not be considered unless made on the printed forms...
...of the firm, the actual signature...

Each tender must be accompanied by a security cheque on a chartered bank...
...of the order of the Honourable the Minister of Public Works...

SEALED TENDERS addressed to the undersigned and endorsed "Tender for Building Unit for the Dominion Buildings...
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quid, a three-year-old sold in Peterboro county this spring...
...of the office of Mr. Thos. Hasten...

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FARM AND DAIRY

average. What is a much better crop than last year. We have had a long drought. Arner, Essex Co.

OFFICIAL RECORDS OF HOLSTEIN-FRIESIAN COWS FROM JANUARY 1ST TO JUNE 15TH, 1913

1. Besse's Anna Holstein, 5663, 2y. 4m. 244. 47 lb. milk, 14.99 lb. fat, 16.73 lb. butter. Owner: F. H. Hicks, Newton Brook, Ont.

1. Shadown Meachthide 2nd, 11209, 4y. 11m. 244. 47 lb. milk, 14.99 lb. fat, 16.73 lb. butter. Owner: T. L. Dunkin, Norwich, Ont.

1. Shadown Cynthia, 15727, 2y. 3m. 16d. 481 lb. milk, 15.92 lb. fat, 17.4 lb. butter. Owner: T. L. Dunkin, Norwich, Ont.

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ABSORBINE

Reduces Strained, Puffy Ankles, Lymphangitis, Poll Evil, Fistula, Boils, Swellings, Stomach Lament and allays pain. Heals Sores, Cuts, Bruises, Blisters, Chafes. It is an ANTISEPTIC and GERMICIDE.

Give Her a Chance
A Cow's DAILY work is to produce milk. If she rests well and breathe pure air...

We have a book printed about this very thing. "The Proper Housing of Cows." Every farmer interested in the profit end of the Dairy business can have a free copy by writing for it.

Canadian Potato Machinery Co. Ltd.

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Write for the Free Booklet

Breeder's 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 25 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. Benfield Woodstock, Ont.

FOR SALE—2 Some of King Payne Ridge 10 years' experience. Also three Clydesdales and 3 Stallions. Yearlings. —R. M. Holtby, Manchester, Ont.

"Ohio" 1913 Model The Improved Logical Silo Filler

"Ohio" Silo Filler for 1913 is radical as compared with former silo fillers. Don't lose a chance to see that the "Ohio" offers...

Famous Patented Direct Drive is one of "Ohio's" specialties. The only machine that is driven, cuts and discharges direct from the top. Simple compact—low speed fan—non-explosive—does not stop on any cut—works on all crops—silvage can't spring.

One Lever Cattle Mill
Fattens feed reverses by slow friction. Glorious for fattening calves. Teeth charged. All gears perfectly balanced. Smoothest running, most efficient. Promotes fastness of gain, but does not injure the animal. Long life, long durability. Used by Experiment Stations every year. Circumvented. Many buy few see this picture.

"Meaders Siles Methods"
A 25-lb. pure milk mailer. 100 lbs. capacity. The Silver Milk Can, by G. M. Eaton, of John Bruce & Co., Toronto.

...ADOLPH...
...STEWART...
...Lynn, Ont.

...Cures While Horses Work or Rest...
...INTERNATIONAL GALL CURS...
...Went on the job, 24 hours a day, healing...

...Continued from page 17...
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...1. Shadown Cynthia, 15727, 2y. 3m. 16d. 481 lb. milk, 15.92 lb. fat, 17.4 lb. butter. Owner: T. L. Dunkin, Norwich, Ont.

...The reports of the official tests of 27 cows and heifers were received and accepted during the first month of the month of June. No extraordinary records are included. The most creditable being found among the heifers. As the senior Alberta leads with 17.44 lb. butter from Victoria Johanna Burke, and in the junior Ontario, Purdy Manor with 17.67 lb. butter.



## Boulder Before and After Blast

Are there Stumps and Boulders on your Farm? If so, why not use CXL Stumping Powder to rid yourself of them? The cheapest and quickest method known for clearing land. Also used for Tree Planting, Ditching, and Sub-Soiling. If interested, write to-day for our Illustrated Booklet; it tells you how to save time and money, and convert unproductive land into productive and money-making Harvests.

**CANADIAN EXPLOSIVES, LIMITED**

Montreal, Que.

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## Will run on cheap fuels

"The Fairbanks-Morse Engines are the best we have in this part of the country. They are simple to operate and give the greatest amount of power for the least quantity of fuel."—M.F. MacLeod, Spring Hill, Que. In the construction of

**Fairbanks-Morse  
Farm Engines**

fuel economy and power efficiency are given special attention. The result is an engine that runs effectively on gasoline, kerosene or low grade distillate—maximum results at a minimum cost. The

cost of engine distillate is less than one-fourth that of gasoline.

Fairbanks-Morse engines are made in any size from 1 to 200 h. p. Vertical or horizontal, portable or stationary. Equipped with Bosch magnetos and guaranteed.

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6 h.p. horizontal stationary engine in the workshop will run grain, stone, lath, drill, forge blower and other power tools.

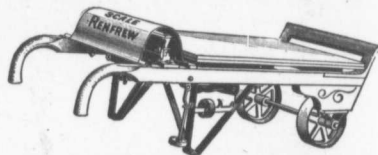
Send for this booklet—  
"49 Uses for a Farm Engine."  
It is full of valuable information for the farmer and is free. Will in the coupon and mail now.



Please send me your free book.

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## Put this "Watchdog" on your Farm

You probably have a dog on your farm to hunt or to trail or to scare away tramps. You don't grudge his "board and keep." If he is a good dog he is worth all he costs for protecting your property and watching your house. But no matter how good a dog he is he can't watch your weights. And hundreds of farmers lose more money every year through not watching their weights than would pay for the keep of twenty dogs.

The best "watchdog" you can have on your farm is a good scale and the best of all farm Scales is the Renfrew Handy Two Wheel Truck Scale—a combined Scale and Truck that you can wheel around any time to anything you want to weigh.

This handy Farm Scale is a joy to use. And it saves you money every time you use it. It will give you faithful service for many years and pay you larger cash dividends than any other implement you now use. We make this statement on the experience of thousands of farmers whom we have induced to try the Renfrew Handy Two Wheel Truck Scale and who wouldn't be without it for twenty times its cost.

**Our** We would like to put  
**"pay as it pays" Plan** a "Renfrew Handy" on your farm to show you just how it pays for itself from day to day. We want to put it in on the basis of a profit-paying necessity that you cannot afford to be without. We will ship it to your Station or land it right in your barn and give you **all the time you ask** to pay for it meanwhile letting it pay for itself on what it actually **saves** you in dollars and cents.

No proposition can be fairer than that. We know that if you once try the "Renfrew Handy" and see its wonderful simplicity and convenience you wouldn't be without it for several times its cost. Send us your name and address to-day and we will tell you all about our "Pay as it pays" plan.

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