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VOL. XXXII.

NUMBER 22

RURALHOME

PETERBORO, ONT.

MAY 29

1913



BRITISH COLUMBIA WILL NOT BE SATISFIED WITH ANYTHING BUT THE VERY BEST

Here is just about as nice a study as one could wish for in a dairy cow. The illustration shows Wadmantje Canary, 17,736, a 4-year-old Holstein, owned by the Colony Farm, at Coquitlam, B. C., that made I1.64 lbs. milk from Feb. 18 th Dec. 31st, 1912, her milk for that period averaging 4.27 per cent, butter fat; she did this while just running on grass from May 2nd, and milked from that time on only twice daily. She was only six weeks dry; then made 31.35 lbs. butter in 7 days, 123.95 lbs. in 30 days. Note the wonderful quality and the superior type all through in this cow. She gives promise of being a coming 40 pounder

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Just at This Busy Season

with competent help so scarce, think how nice it would be to be able to separate your milk in half the time you now do it with an ordinary separator! Send for booklet describing "Simplex" Large Capacity, low down, easy turning separators. One of these "Simplex" large-capacity cream separators will cut you work of separating absolutely in two! It'll pay you to have a large capacity Simplex!

It will also pay you to send us a rough sketch of your stables, tell us how many cows you want to milk, say whether or not you have power available, or will require power, and WE'LL FURNISH YOU WITH AN ESTIMATE of just what it will cost you to put in your stable a B-L-K Mechanical Milker. There will be no obligation on your part to buy. It will interest you to have these facts. It will pay you, as it pays others, to have a B-L-K Milker.

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THE IMPERIAL OIL CO., Limited Toronto Montreal Hallfax



THE ARE THE INITIATIVE AND REFERENDUM IMPRACTICABLE AND UNDESIRABLE?

H. Beatty, Missisquoi Co., Que.

N Farm and Dairy, May 8th, the article, "Legislative reforms that would give farmers more power," tracted my attention. I have alattracted my attention. I have al-ways admired the manner in which Farm and Dairy has tried to elevate the farming industry. This system rarm and Dairy has tried to elevate the farming industry. This system of Referendum and Initiative, how-ever, would not, I believe, benefit the farmer, and would seriously handicap the progress of other industries that must be considered as well as the farming industry in any proposed legislation. Being a subscriber to your paper, I am taking the liberty to present the following arguments against the Referendum and Initiafarmer, and would seriously handicap

The Referendum, as you defined it, is merely the power to create an election by a minority on issues al-ready passed by law-making bodies. The first and greatest objection to this system is the wiping out alto-gether of the distinction between the fundamental laws and current laws passed in accordance with the c stitution of our country with as little formality and with as little delibera ion as the repeal of some unimportant current legislation. We are not, or never will be, in a mass, well enough informed to pronounce upon questions of detail. There are very few farmers who are in a position to vote in-telligently on legislation affecting the iron industry, while men interested in the iron industry could not be exected to vote intelligently on legislation affecting the farming industry.

VOTERS VERSUS STOCKHOLDERS

We are not in a position to manage the business affairs of a government. Do stockholders in a large company bother themselves with the manage-ment and detail of that company? They lire capable of that company? them. In the same way we appoint men, sometimes capable, to carry on

men. sometimes capable, to carry on the business of the government, trusting the details to them. It may be argued that people make mistakes in forming their judgment of men. This is quite true; but I maintain that they would be more apt to err in dealing with complicated questions involved in practical legislation.

If the Referendum were in force do you realize what a chaos in which the country would continually be? It would be the cause of unnecessary elections. If one government made a tariff favorable to the manufacture of cotton, and not so favorable to the manufacturing of farm implements, the result would be detrimental to both industries, as well as the country in which these manufacturing concerns were situated. There would be a constant and unavoidable internal strife

IS INITIATIVE "CRANK" RULE? The Initiative, as you correctly de The Initiative, as you correctly defined, is the power to propose laws by a minority. This obviously puts an instrument in the hands of a few cranks and enthusiasts to compel the people constantly to be voting on issues in which only the enthusiasts vere interested.

Public sentiment is fickle in regard to men. Surely it would be more so in regard to issues. The great trouble with our present system is indifference of the voter. This would be doubly felt under the Initiative and Referenindifference

This system would be particularly disastrous to enterprises using the same natural products. In the Columbia River there are two methods of pursuing the salmon fisheries. In the lower and aluggish waters of the stream they fish by the net. In the upper waters they use the wheel. The net fisherman wanted to put a stop in the wheel fisherman. The Referendin and Initiative was in force in tha State. They obtained the require signatures. In the meantime the wheel fishermen did the same thing At an election the electors gener supported both issues, consequent the salmon industry was killed as fa as legislation was concerned.

A CAUSE OF INDUSTRIAL STRIFE Surely it must be plain that the eferendum and Initiative would Referendum cause industrial strife, and that would tie up our industries resulti from natural products. It would ha a tendency to throw a country of a size into chaotic disorder. T moment that restraints are take away from the direct action of the people in the making and enforcem of laws, in administering justice and in regulating foreign affairs, they be come the victims of the most odior tyranny to which any people can be subjected

You stated that the system been in vogue in Switzerland for years and worked admirably, which years and worked admirably, which perfectly true. Switzerland is a smacountry. The population is thrift and largely devoted to the work a caring for the large number of too ists who visit that country. We does this system work so well switzerland? Because the country is Switzerland? Because the country is switzerland? Because the country is switzerland. Switzerland? Because the country small and concentrated. The Initative and Referendum can be of deed ed and positive value in district small enough to enable the average voter to feet. voter to form conscious opinions are well within his practical know

IMPRACTICABLE IN CANADA In a country such as Canada, stretching as it does from sea to sea, contain ing a great variety of soils and nate al products, such a system co possibly be an improvement present system of government, which o must admit, is far from perfect can do not ter than to que rom Woodrow Wilson, who is n I can do no tter than to que from Woodrow Wilson, who is doubtedly one of the greatest auth ties on governments in America. He

says: through its voters any more than can make laws through its newsp A government cannot act organically by masses. a law-making body." It must her

For these reasons, sir, I feel that the Referendum and Initiative weel not be for the best interests of Ca-ada, and consequently would not be advantageous to the farmers who are fortunate to have Canadian soil to til

Coming Events

Coming Events
Dominion Forestry Conventia
Winnipeg, July 7-9, 1913.
Canadian' Industrial Exhibition
Winnipeg, Man., July 8-16, 1913.
Dominion Exhibition, Branda
Man., July 15 to 25, 1913.
Regina Exhibition, Regina, Sast.
July 26 to August 2, 1913.
Saskatoon Exhibition, Edments
Alaa, August 5-8, 1913.
Edmonton Exhibition, Edments
Alta., August 11-16, 1913.
Cobourg Horse Show, August 134
1913.

Canadian National Exhibition, Ivronto, August 23 to Sept. 8, 1913.

Eastern Exhibition, Sherbrook, Eastern Exhibition, Sherbrook Que., Aug. 30 to Sept. 6, 1913. Canada Central Exhibition, Ottava. ept. 5-13, 1913. Fair, London, Ont.

Sept. 5-13, 1913. Vancouver Exhibition, B.C., August 30 to Sept. 6, 1913.

Make provision for short pastures

Issue Each W

Vol. XXX

The Farm of

HERE success Those o fathers' foot deride all t find in the re something to chief recomm Logan has e things that new methods management.

As a result place is know Quebec provi home, its sub cultivated fiel any man mig shires are nur Financially, M and making it satisfied with Two years ago provincial Priz Farm ad Da dozen or more

AN Mr. Logan's of the Chateaus right behind I 115 acres of rat characteristic o and easily worl ly. He depend drains. His fa the most of it the road from h ever, has made convenient shape length of his far on this lane.



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Vol. XXXII.

Each Week

satisfied with older methods and poorer stock. provincial Prize Farms Competition conducted by Farm ad Dairy, and came third among the

of the Chateauguay River. In fact the river flows right behind his house. His farm consists of 115 acres of rather heavy soil. The fields, as is characteristic of Chateauguay county, are level and easily worked, but difficult to drain properly. He depends almost altogether on open drains. His farm is only four acres wide and the most of it located on the opposite side of the road from his buildings. Mr. Logan, however, has made the best of this somewhat inconvenient shape by running a lane through the length of his farm and having all fields opening on this lane.

RMAND DAIR RURAL HOME

FOR WEEK ENDING MAY 29, 1913

No. 22

METHODS OF MANAGEMENT ON A FINE FARM IN QUEBEC

The Farm of J. W. Logan, Howick, Que., one of the Finest in his Province, Described by an Editor of Farm and Dairy. The Factors that Account for Mr. Logan's Success HERE is something inspiring in a story of

success, particularly success in farming. Those of us who are content to follow in our fathers' footsteps, who cling to old methods and deride all things new and "scientific," may find in the record of J. W. Logan, Howick, Que., something to shake our faith in methods whose chief recommendation is that they are old. Mr. Logan has ever striven to keep in touch with things that are up-to-date, wherever possible new methods have been given a place in his farm management

As a result "Sunnyside Farm," as Mr. Logan's place is known, is one of the model farms of Quebec province. With its tree embowered home, its substantial farm buildings and its well cultivated fields, Sunnyside is a farm of which any man might well be proud. Sunnyside Ayrshires are numbered among the best in Canada. Financially, Mr. Logan is making more money, and making it easier, than those of us who are Two years ago he entered his farm in the Interdozen or more entries in his province.

AN ATTRACTIVE SITUATION Mr. Logan's farm is situated in the rich valley

Mr. Logan, like all the other successful com-

petitors in the Good Farms Competition, follows a regular rotation of crops. His arrangement and rotation followed is almost identical with that followed by his neighbor, Mr. Ness, whose farm was described in Farm and Dairy last September. It is also the rotation advocated by Mr. Grisdale, Supt .of Dominion Experimental Farms, and Mr. Logan finds that it works splen-



Paint inside as well as out

The exterior of the farm bases of J. W. Logan, Chateauguay Co. Que., as emelains of J. W. Logan, Chateauguay Co. Que., as emelains the dilustration become a constraint of the constraint of the

didly on his farm, enabling him to maintain and increase the fertility of his soil, to grow the right crops for his cattle, and to keep down the weeds. It covers four years. Corn is one of Mr. Logan's staple crops and fills in one-fourth of the rotation. Following corn is a mixture of oats and barley seeded down. The third year the field is in hay, a mixture of clover and timothy; the fourth year is pasture, and so on year after year.

Mr. Logan considers this rotation an ideal one for a man who specializes in dairying. As all of the fields are well fenced and a lane opens on all of them, Mr. Logan does not experience the difficulty in rotating the pasture that many

a farmer with poor fences' would be up against. AYRSHIRES HIS PRIDE

Mr. Logan's chief pride and his chief source of revenue are his Ayrshires, of which he had fifty when visited by an editor of Farm and Dairy last July. Of these 28 were milch cows and 15 milking. The milk is shipped to retail dealers in Montreal and the cows freshen to give an even supply the year round. Mr. Logan, it will be noted, is not afraid of winter dairying with lots of corn ensilage and clover hay to feed. He believes that milk can be produced almost as cheaply in winter as in summer, and the price then is considerably higher.

Mr. Logan is beginning to reap the reward that surely comes to the man who has the courage to invest his money in pure bred cattle and then devotes his energies to their improvement. Sales of surplus stock are every year becoming a more and more important source of revenue, and the time is near when Mr. Logan will derive a greater income from surplus stock than he does from the sale of milk or cream; a source of revenue practically debarred from the farmer with ordinary stock.

FIRST INVESTMENTS WISE

Mr. Logan was not born with a silver spoon in his mouth. His father before him was a good farmer, and Sunnyside Farm vastly improved under the old man's management. When Mr. Logan assumed control, however, there were many improvements to be made that demanded all of the capital that he had, and more too. Mr. Logan's success is due in a large measure to the wisdom that he showed in investing in improvements. He realized that he should put the first money where it would bring him back more money. Consequently pure bred cattle came in for a large share. The farm buildings, too, were improved. And now these improvements have rendered such good returns that Mr. Logan is contemplating a complete re-arrangement of his farm home, a comfortable brick house one and a half stories high. Mr. Logan preposes to add an additional story and to equip

(Continued on page 10)



Neatness and Orderliness have combined to make "Sunnyside Stock Farm" one of the premium Dairy Farms of Canada.

An idea of the orderlinese that is everywhere characteristic of the farm of J. W. Logan, Howick, Que, may be gained from the illustration of the buildings given between the property of the p

Methods of Purchasing Seeds

T. G. Raynor, Seed Division, Ottawa.

It is surprising how many men in the world let others think and plan for them. This is as true in the seed trade as anywhere else. There are many farmers who ask a dealer for seed and leave the matter wholly to his judgment as to the quality of seed and in many cases the varieties they will sow.

It is fortunate that some dealers have made a sufficient study of souls in the sufficient study of

sufficient study of seeds to be able to advise properly. Too frequently there are those handling seeds who know nothing about them comparatively speaking but are handling them for what they can got out of them. Very often the purchaser doesn't discriminate between these two kinds of dealers; consequently there is an opportunity for serious mistakes being made and perhaps not infrequently purposely. Crops from these seeds are seen in fields along the sidelines and concession roads.

In collecting some samples of seed oats, wheat, and barley, for investigation purposes, that farmers are sowing here and there in the Province of Ontario, it is surprising what some farmers are content to sow. No wonder that weeds are on the increase from year to year, and no wonder the stand is often poor. Poorly graded,

poorly cleaned and weed infested seed is being sown too frequently for anything else than disastrous results. When will our farmers learn that good seed like good land is cheap at any price, while poor seed like poor land is dear at any price.

Not infrequently a man is met who has been the victim of some agent acting for some seed house, usually an American concern. He pays two or three prices for seed, as from \$2 to \$3 a bushel for seed cats when by fanning his own seed he could make as good having the added advantage that his own seed would be acclimatized.

The cats he buys are sold as a certain variety (usually a variety that is little known), as being a great yielder and having the best quality. Experience shows that the new oast may only be a moderate yielder and probably very thick in the hull. It does well, probably, not so much because of the variety, but because it has been well fanned and graded and given the richest and best tilled piece of ground on the farm to grow in.

Many farmers in every locality pin their faith on a change of seed every three or four years as being absolutely necessary to maintain good yields. They believe that seed from heavy soils should be used on light soils and vice versa. Frequently this seed is bought of a neighbor whose farm is some miles distant and who enjoys the reputation of having a clean farm, which very frequently means that it is free of wild mysterd.

free of wild mustard.
Seed that has been grown under the direction
of the Canadian Seed Growers' Association
should be more commonly used but, like stock, the
seed must carry its pedigree on its back. Try

The farmer is the back bone of Canada but he has not had a chance as he should have had. In the first place he has not been educated to it as he should be. Why? Because it has been said, "Anyone can farm." I want to tell you that anyone cannot farm and make a success of it.

If farming had been made a business of and taught along that line, there would not have been so many young men leaving the farm, and to-day we would have better kept farms.—R. P. Hill, Victoria Co., Ont.

What One Sire Will Do

"Ex-hired Man," Wentworth Co., Ont.
Students of Shorthorn lore tell me that practically every good Shorthorn to-day traces back to



The?Home of a Habitant Farmer of Old Quebec. one bull owned originally by a village blacksmith in an English village. There were numerous other cattle of the same breed in that same section at the same time. But we never hear of them now. To the Jersey man Flying Fox blood always looks good, the Ayrshire breeder has his favorite strains and practically all the great Holsteins are contained in three or four families. And all these families trace originally from just one sire. But I believe that the influence of one sire on one breed in one generation is as nothing to the influence that a good pure-bred sire will exercise in a grade herd in just one cross.



Farm Buildings that testify to the thrift of their owner
the two illustations on this page, showing the buildings of Mr. Felix Dumont, 8:
lienedine, Question of the purple that are found on the farms of the more prosperous
of our French Cannel in topy that the found on the farms of the more prosperous
elevated driveway. Notice align the control of the purple of the control of making buildings attractive. Mr. Dumont are whiteward with a cheap method
of making buildings attractive. Mr. Dumont of the control of th

A few years ago I was working as a hired man in Oxford county. My boss was strong on Holsteins, and he had good ones too; not pure-breds but first-class grades. And he had a Jersey grade. The first week or two I wondered why a man so enthusiastic for black and whites would tolerate a fawn colored animal around the place. I was in the dark for some time, but one night the boss was absent and it fell to my lot to milk all of the cows. The cattle were arranged is two rows, I milking one and my employer the other. Hence

(Continued on page 10)

Satisfied with B con Hog Arthur Christie, Dundas Co., Ont.

Er. Macdonald made a mistake. Instead of describing a bacon hog in his article in a recent issue of Farm and Dairy, he described a certification type of hog that the breeders of Western Ontario sold to the farmers of Eastern Ontario by public actions some few years ago. A great number of fermers rushed to these sales and purchased stock at a big price while our own breeders sold.

The better stuff for notice sold.

far better stuff for pork; consequently the bacon hog received a blow from which it has not yet recovered.

At the time I had my pens full of pure bred Yorkshires and have been breeding them ever since; also bacon type Berkshires. I have kept account of all feed consumed and by feeding alfalfa and roots have been able to make on an average the half of the selling price for my alfalfa, whey, milk, and also my work, not counting anything for manure.

ONE SOW INSTEAD OF TWO

A sow of an improved bacon breed will raise twice as many pigs as will one of the thick fat type. Hence two bacon sows are equal to four of the other kind, which means a saving of the feed of two sows, which is no small item. In the second place I do not try make a bacon pig weigh 180 or 200 lbs. at four and a half months

old by feeding expensive or concentrated feed.

The bacon hog has a ravenous appetite and will
consume more feed than he can assimilate which
means indigestion and perhaps loss. I keep my
hogs growing by feeding cheap feed such as alfali
or roots, skim milk and a little middlings until
they are about four or five months old when they
should have developed a good frame, also a strong
constitution, and be in excellent shape for the
finishing period.

As to marketing: It has been the custom for most farmers to market their pigs in the fall or just before Christmas when agery one is eating

fowl and lamb. If you cannot got your pigs ready in time to get the top price better let them run on grass until fall and finish off after the usual holiday supply has been worked of and prices have regained their former level, which is usually about the first of March.

THE MAN TO PLEASE

If we as farmers wish to make a success of pig raising we will have to raise the kind of hog the people want; not what we ourselves want. In the days when our country was now and men lived principally on a meet diet, as do a number of Old Country farmers to-day, and when lumbering was the principal industry, large quantities of fat meat and grease were required.

To-day times have changed. The prospersor seap method of method fill living has gone with them. A new generalise has sprung up with new ways. And with it has come new appetites favoring different kinds of food than that which our fathers liked. Consequently the old-fashioned fat hog has gone news to return. And why sigh for him? I think eree Mr. Macdonald would rather have a nice leaf feed of bacon or pork steak any time than a size of white lard from a fat hog.

We seed with timothy rather as an insurance than as a necessity of good and profitable feel production.—J. H. Grisdale.

As long as of our work little or noth the winter, some better a flat rate basis Under the file employer to

versa. Here

cently in the

A man wa \$300, beginni fall came and quarrel with him \$25 a m season. That at a flat rate able to get o the hired man sible, too, for getting his \$ and when a pick a quar employer and this case th would suffer.

My plan i like this: G wages accordi work done. I if a man is \$10 a month in pay him \$10, the harvest runs at \$50 a the man \$50. H wages so arr the man will g by picking up in a busy seas farmer will ga by firing his slack season.

This, howev the true solut wage paying p is only a make in with presen happens to be ing the winter and it is in th The ideal syste ranges his wor that there is p on the farm th fitably put in h instead of six, might prevail t of both employe

> Supplen E. R

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Graduat d Farm Wages L. K. Shaw, Welland Co., Ont.

As long as we farmers persist in doing the most of our work in the summer months and having little or nothing to keep the hired man busy at in the winter, it strikes me that we should have some better system of paying the men than on the flat rate basis of so much a month the year round. Under the flat rate system it is possible for the employer to use his man very meanly and vice Here is a case of which I read just recently in the Nor' West Farmer

A man was engaged to work for the year at \$300, beginning his work in the spring. Whon fall came and work fell off, the farmer picked a quarrel with the man, discharged him and offered him \$25 a month for the work of the summer season. That is, by making a year's engagement at a flat rate in the first place, this farmer was able to get cheap help through the summer, at the hired man's expense. It would be quite possible, too, for a man to start work in the fall,

getting his \$25 a month and when spring came pick a quarrel with his employer and leave. In this case the employer would suffer.

My plan is something like this: Graduate the wages according to the work done. For instance, if a man is only worth \$10 a month in the winter, pay him \$10, and if in the harvest season help runs at \$50 a month, pay the man \$50, but have the wages so arranged that the man will gain nothing by picking up and leaving in a busy season, and the farmer will gain nothing by firing his man in the slack season.

This, however, is not the true solution to the wage paying problem. It is only a makeshift to fit in with present conditions.

A hired man who happens to be married has greater expenses during the winter than during the summer months, and it is in the winter that his income is least. The ideal system is where the farmer so arranges his work through winter dairying, etc., that there is profitable employment for the man on the farm the year round. If a man can profitably put in his time for 12 months in the year instead of six, as is now the case, summer wages might prevail the year round to the advantage of both employer and employed.

Supplementing Short Pastures E. Ruby, Oxford Co., Ont.

I have just 75 acres of tillable land. My aim is to have the greatest possible amount of milk with the least possible number of cows. Hence, less work and just as much milk, less feed and more profit. In 1912 I milked six cows. I was lucky enough to have four feet of silage left in the bottom of a 38 by 12 feet silo that I divided in two parts, feeding half the silo first. This ensilage lasted from July 1st to September 1st. The silage came out in good shape, except on the one side of the last, I fed this ensilage with a little alfalfa hay and some meal to heavy milkers. I followed with clover pasture till stabling time.

I am not depending on such a favorable season again. I will provide for soiling crops, so that I don't need to be sorry when the drouth is at hand; better safe than sorry. What is not needed as green feed can be made into hay. This summer, however, I will have no silage. I have just the one silo as yet; intend putting another up in the near future. My plan is as follows:

I will have eight or nine cows for which I will sow one bushel of peas and one and a half bushels of oats on half an acre of land well manured, and sown as early as possible so as to give feed the first of July. Two weeks later I will sow another half acre, and at the same time sow some Hungarian grass or millet to use if necessary. When this is gone I expect to feed some early sown corn. It is the amount of feed available in July and August on which the production of the season depends. I figure that if I can keep the flow up during that period I will get an increase of 10 pounds a day per cow for the rest of the lactation period

What is once lost can never be regained. We have to keep the cows going or we are sure to lose the game. A cow that freshens in April ought to milk about eight months after July first. An increase of 10 pounds a day for eight months

A Crop that is a Source of Untold Wealth to the Dair' Farmer

Scenes such as this one are now becoming almost as common in some sections of Canada as in Iowa, where the photo was taken. The severe and one-half seve field of allaifa seen in the illustration was seeded in three cuttings made 4.3 tons an acre in form of the interval of the interval

would mean 2,400 pounds of milk from one cow, or 21,600 pounds from nine cows. At \$1.00 a cwt. the value of the increase is \$216.

To prove the worth of my statement I will give the returns from my six cows for last year. There are only two mature cows in my herd. My cash returns for cheese and butter amounted to \$540, or \$90 a cow. In addition I had the skim milk, whey and milk and butter for family use.

Veterinary Notes

Bloody milk is due to tiny hemorrhages or leakages of blood from the smaller blood vessels in the udder.

Mange in horses is much more difficult to treat than scab in sheep or common mange in cattle. Prevention of infection with the disease is safer and more satisfactory. There is no best all around treatment, even for lice on stock. The class of stock, physical condition of the animals, and season of the year determine the kind of treatment most advisable.

Coughing does not necessarily mean tuber-culosis in cattle. Cattle cough from many different causes, but a chronic cough in this class of stock always gives a reasonable suspicion of tuberculosis, where there is no other cause apparent.

Tuberculosis in cattle cannot always be detected by their physical condition. A diseased animal may be very fat or very thin. Tuberculin is the only reliable means we have for detecting tuberculosis, except in rare cases.

Comparisons are Odious But? A General Agent," Toronto, Ont.

How sadly some of our best counties fall down in some particulars. Oxford county is said to be the banner dairy county of Ontario; of Canada in fact. Peel county people are sure that there is no richer land in the world than their heavy clays and I have again and again heard farmers in Halton and York counties say that they lived in the best county on earth. And I who travel over the whole of Eastern Canada in summer and in winter have come to the conclusion that these fine counties have the most atrociously bad roads that I find anywhere. The people of these counties are noted for their keenness as farmers; but the importance of good roads is just beginning to dawn on them.

All good farming districts are not so disinterested when it comes to the road problem as are the counties mentioned. All of these counties have made some effort to improve their roads and the mileage of good roads is increasing each year.

There are other countries, however, that are ahead of them. I know that comparisons are odious, but I will mention one district that in my opinion, natural conditions considered. has the best roads of any district in Eastern Canada. I refer to the Chateauguay district of Quebec. In Chateauguay county are some of the first macadam roads constructed in Canada. In some townships all of the main roads are of macadam. Even the ordinary earth roads are not too bad. Two years ago I drove over many miles of earth roads in the two counties of Chateauguay and Huntingdon and although there had been continuous rain for a week before, the roads were in

good driving shape. This is a result of constant use of the split log drag.

The people of Chateauguay have just as unfavorable natural conditions to contend with as the people of any other district. Their land is low and hard to drain. Likewise, it is heavy and sticky. But they keep their roads well rounded and well dragged and the result is most satisfactory. When the farmers of the Ontario districts that I have mentioned get the split log drag fever they will forget about expensive macadam roads and start to make good roads out of the material they have on hand.

> Points on Pear Culture John Beemer, Brant Co., Ont.

In our 17 years of experience with pears we have had the best success with those of the Kiefer varieties, with Bartletts a good second. The Dempsey promises well. They ripen along with the Kieffer, are fine for dessert and a fairly good canner. Extra care must be taken in spraying this variety for curculio and pear slug. Dempsey does not blight as badly as the Bartlett.

Our Kiefers had a bad set back in February, 1904, when two-thirds of them were badly frozen, causing rot at the heart. As they were heavy bearers and the fruit was not then thinned every year I have now only 35 good bearing trees left out of the 125 set 17 years ago. I have derived a yearly income from my years for the last 12 years of over \$200 a year, or \$2,500 altogether, and this from a little over one acre of land.



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Recessessessessessesses The Feeders' Corner

The Feeder's Corner is for the nee of our subscribers. Any interested are invited to ask questions, or send items of interest. All ques-tions will receive prompt attention

***************** Ideas on Rations

Ideas on Rations
What do you think of the following ration for grade Holstein and Shorthern
silch cows weighing about 1500 lbs.: 10
lbs. of the state of the st

balanced and quite suitable for a cow giving 25 to 35 lbs. of milk a day. The succulent portion of the ration. corn and roots, is in rather large quantity, and if the cows show signs of going off feed it is this portion of of going off feed it is this portion of the ration and not the grain feeding that should be reduced. For cows giving over 35 lbs. of milk a day it would be well to reduce the ensilage ration and increase the grain ration

Whole mi'k, clover hay, oats and turnips should make an ideal combination of feeds for inducing t growth in a two-months-oid call. The length of time that one can afford to continue the whole milk feeding, skim milk being lacking, depends a good deal on the value of the call. If he is of good breeding and a fine in-dividual it might be profitable to feed whole milk one works or more. whole milk for six months or more, but as a general rule it is not advisable to feed longer than three months. At this age start to make a change in the grain ration. One and one-half pounds of the following mix-ture would be suitable when weaning: 200 lbs. oats; 100 lbs. bran; 100 lbs. 200 lbs, oats; 100 lbs, bran; 100 lbs. corn; 100 lbs, oile ke meal. Increase the amount gradually until the calf is getting two and one-half to three pounds daily at six months of age. We would suggest that the calf will develop more rapidly if kept in a darkened stable during the hottest days and in fly weather.

Short pastures should be supplemented and heavy milking cows will need grain during July and August. For cows giving a moderate amount of milk, however, home grown soiling crops are cheaper and more satisfac-tory than grain feeds. A mixture of and one-half bushels of oats, half a bushel of peas and a peck of vetches to the acre, makes a good soiling crop for mid-summer feeding.

Calf Raising Proposition

I intend raising calves on warm separat or milk all summer, to sell about Decem ber this year. They are from 10 days to two months old I feed Blatchford's call meal. Can you give me some particulars re feeding, feeds, pasture and likely prices for the control of the control of the control McC. Old Control of the McC. Old of the control of the control of the Calves feel on warm separator milk, with the control of the contro

with the addition of a small amount of meal, from now to the end of November, should quite easily dress 250 lbs. The most careful feeding is necessary, however, to prevent the calves from scouring and to keep them caives from scouling and to accept the angular consideration in good thrifty condition throughout the summer. Perhaps the most important consideration is the keeping of them under good hygienic conditions. They should be kept in a large condition have found along how during the day large, cool, clean box during the day time and allowed to run in a dry field at night so that they will always be I'ving in air at a moderate temperature and never exposed to the strong rays of the sun.

As a meal to feed along with the it dange skim milk, or, better still, to give P. E. I.

them dry in and ough, after the milk has been fed, I would suggest they will eat up clean of the follo-mixture: Bran, 100 'lbs.; corn mixture: Bran, 100 lbs.; corn heal, 200 lbs.; crushed oats, 100 lbs.; oil-de-meal, 100 lbs.; crushed barley, 100 lbs. This mixture should be fed dry, at the rate of half a pound a day to begin with, gradually increasing until corn to the calves are receiving as much as three pounds a day in September and October and possibly four or pounds a day in late November. four or

In addition to the meal, the cale should, of course, get a small amount of dry clover hay, or, better still alfalfa, and, during the summer, some grass or green forage; but all these feeds should be given in moderation since an excess of any one of themthe skim milk, the meal mixture the hay or the green forage—is likely have injurious effects. Great Great can have injurious effects. Great can should be taken to come up gradually and, by watching the calves closely and, by watching the calves closely, to see that the digestive organs are in good shape day by day

In addition to the skim milk, they

should have an abundance of good clean water, to which they should have access at will. The placing of a lump access at will. The placing of a lump of rock salt in the pasture and another in the pen, will also help matters. Further, the adding of say 25 lbs. of whole corn and as much whole out to the above mentioned grain mixture, say about the month of August would be of some benefit,—J. H. G.

The History of Good Roads

E. F. Ayers, Highway Engineer, When some progressive antediluvia shocked his contemporaries by bring ing his game to camp on a horse ti roads movement was inaugurat good roads movement was inaugurated. Had he shown proper respect for precedent he wou'd have shouldered his load, although custom sanctioned the use of rude boats in case he was fortunate enough to be near a stream

Other members of the tribe soon appreciated the many advantages of the new method, and well-define appreciated the many advantages of the new method, and well-defined trails were opened through the sub-crness. These kere, laid out by the animals themselves, the only assis-ance rendered by their diverse being the occasional removal of a trewhich fell across the path.

No further progress was made until the advent of wheeled vehicles These required a wider path, and the trail began remotely to resemble road. No attention was paid road. No attention was paid a proper location, grades or drainage but even the slight amount of woir required was bitterly opposed by the owners of the pack teams who fare saw that their business would be ruined if the newer transportation gained a foothold.

They caimed that the wide readere unnecessary; that the new contraption was simply a passing fad suitable for a rich man's toy, but in possible as a practical vehicle; that the taxes would ruin the country us the taxes would ruln the colory less the wagon men were forced to pay the entire cost of the improvement; in short, that the roads which had sufficed for their fathers show be good enough for them.

These same arguments were nevived on the advent of the biggland the automobile, the teams ers in meantime having forgotte early trials and joined the reactive aries. The highways of America remained as horrible examples until 1885, when the modern good read movement rode in on a bicycle

Broken glass lying around may be dangerous, but I fail to see where window glass is. Yet judging from the amount of window glass in many .tables the proprietors must consider it dangerous.—E. McKay, Prince Co.

"WELL where he had sould not be

> immigrants e couraging inc Inefficient to his inexper A fee are getting their neighbor farm help pr for an explan securing help farmers who and have no h

May 29,

FARM

The from

is section

THE MO "I believe money counts writes Wallac Co., Ont. "F Co., Ont. pay good wag paid man pre necessary to k the cost of p then to keep o enable the far that he has t "One reason many farmers securing help i

year round. ter dairying w give profitable man, and give people should capation, but I of our dairy fa because they In concludir When we have to consider the are in a good h laborers we wi

for a good man

ful dairy farms WINTER "The best w problem in my good herd of most of them f winter of Oxford Co. good comfortab and groomed, t third more mil then have more can control a m besides, we had the cows go ou give almost as months as a fre in the fall, fil etc., we who fo have much milk lot of good man out to the field winter, thus say time in the spr

"We thus have satisfactory way a married man. good comfortable him good wager long hours, and the work. If h the work. If I should then be man working in FARMS 1

Says H. C. I Ont.: "The mos average farmer h

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FARM AND DAIRY READERS TALK ABOUT HIRED HELP

plan to put the whole farm wyself." The speaker had just turned away from the immigration office where he had failed to secure a man. where he had talled to secure a man. In his section native born Canadians could not be found for farm help for love or money and to find that even immigrants could not be had was discouraging indeed.

corracing indeed.
Indicient as is the immigrant, due
to his inexperience, he would be most
vectome on many farms during this
season. A few-farmers there are who
are getting on better than most of
their neighbors in the solution of the
farm help problem. Recently Farm
and Dairy wrote to some of these men
the manufaction of the farm of the manufaction of the succession. and Darry wrote to some or these men for an explanation of their success in securing help. All whose replies are here given are practical, successful farmers who speak from experience and have no high flown theories to ex-

THE MONEY CONSIDERATION

"I believe that in all business, money counts as a strong point," swries Wallace H. Mason, Norfolk Co., Ont. "Hence it is necessary to pay good wages to secure competent help. In order to make the highly paid man profitable, however, it is necessary to keep milk records, the cast of production or of ith tow the cost of production of milk and then to keep only those cows that will then to keep only those cows that will enable the farmer to pay the wages that he has to pay. "One reason that explains why so

"One reason that explains why so many farmers have such trouble in securing help is that they never made a practice of keeping their men the year round. I have found that win-ter dairying will balance up the work, year round. I have found tons winter dairying will balance up the work,
give profitable employment for the
man, and give the boss an opportunity for a little recreation. I believe
people should plan to enjoy their occupation, but I fear that a great many
of our dairy farmers are not enjoying
each year of their lives as they should,
because they haven't time.

In concluding, Mr. Mason adds:

When we have help's we would do well
to consider the Golden Rule. If we
are in a good business with intelligent
laberers we will keep the same men
for a good many years. Many successfor a good many years. Many successfor a good many years. Many successfol dairy farms are now doing this."

for a good many years. Many successful dairy farms are now doing this."

"The best way to solve the help
problem in my opinion is to keep a
good herd of dairy cows and have
good level of dairy cows and have
early winter," writen in the fall and
early winter, writen in the fall and
early mide and groomed, the cows will give onefirsh in the spring. In addition we
then have more time to attend them,
can control a more even temperature,
there are no flies to torment them and,
besides, we have the heavy flow of besides, we have the heavy flow there are no flies to torment them and, besides, we have the heavy flow of milk when the price is high. When the cows go out to pasture they will give almost as much milk for a few months as a fresh cow and when busy in the fall, filling silos, threshing, etc. we who follow this plan, do not have much miking to do. There is: etc. we who follow this plan, do hot have much milking to do. There is a lot of good manure that can be drawn out to the fields and spread in the winter, thus saving a lot of valuable

winter, thus saving a lot of valuable time in the spring.

We thus have work for a man the year round, which I think is the most satisfactory way to hire. If we had a married man, we would give him a ped comfortable house, a garden, pay long bours, and get him interested in the work. If he is a good man he should then be as contented as any should then be as contented as any man working in a shop or factory."

Panne INDIREMORRED

FARMS UNDERWORKED

problem. Few farms are worked as they should be or as their owners sould like. Some farmers have in the past gone into other occupations, while others are making slaves of themselves and families trying to get along without hired help. Dairying along without hired help. Dairying has not shown that expansion that raight reasonably have been expected, many farmers hesitating to take up extensively a branch of farming that may require more labor. And the least difficulty in regard to this question is the up-to-date dairyment. Let us look at the equation in a many require and the state of the state

s ficulty in regard to this question is of the up-to-date dairyman. Let us look f at the question in a reasonable was "Can we reasonable was a to work for eight or nine months and send hit off when his time is up to face a period of idleness or very little work and expect him to turn up in the apring to hire for another summer ferm? Many of those med drift; into the towns and cities, find other employment and are usually lost to the farm forever. This labor question can only be settled right when we engage our help for the year and give a man steady employment; then if each is suited with the other the help is right on the farm for re-ngagement sagain. In winter dairying comfortable and profitable work can be given the help and one good cow will make enough money to pay the extra wages and board. "Another question: Are you, my

"Another question: "Another question: Are you, my fellow farmer, giving the time you should to reading the agricultural papers and studying how the problems you meet have been met and overcome by others? If you are not or you think you have not time then engage your help by the year and have sufficient help to enable you to take time to read and think. It will pay you in dollars, broaden your outlook, make you a better farmer and a better citizen." Are you, my ter citizen.

Here is the way in which J. W. Clark, who makes an annual income of over \$4,000 from 25 acres handles the subject:

EMPLOY MARRIED MEN

EMPLOY MARKED MEN

"Single men are becoming scarcer
each year. What few there are do not
care to be padded down to milking
eows and much prefer other kinds of
labor. To my mind the solution of
the problem is to employ married men.
This of course would necessitate that
the dairy character have a busing course. This of course would necessitate that the dairy farmer have a house conveniently handy for his men and give them employment the year round. This class of labor is more likely to remain permanently. They cannot shift so easily as others. On many of these dairy farms a suitable house nearby is not available. I would nearby is not available. I would remain long in the business and is remain long in the business and is not handicapped for labor to build one. A comfortable cottage for a small family. A comfortable cottage for a small family, I have found, can be built at a cost of between \$400 and \$500.

ily. I have found, can be built at a cost of between \$400 and \$500.

"If one hundred farmers who require labor would club together and by putting up from \$5 to \$10 each send a competent man to the Old Country they could select experienced laborers for the work required and have them brought over. There are thousands of this class of men in the Old Country who would be glad of the Old Country who would be only the Old Country who would be only the Old Country of the Old Countr

FARMS UNDEWORKED

Says H. C. Hamill, of York Co., seeding alfalfa very early in the Ont. "The most serious problem the spring on winter wheat.—Frof. C. A. average farmer has to face is the help Zavits, O. A. C., Guelph.



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Curve Steel Partitions.
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SERVICE Whether you have a large to
SERVICE Whether you have a large barn or a small one, you should read our bool on Steel have made a law made a
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Our "Monarch" Engine is a boon on the farm. Saves time and exertion by doing all choree - pumping, sawing, grinding, separating cream, cutting silage, roots, straw, etc.

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HORTICULTURE the

To Fight Cut Worms

Probably the first and most impor-Frobably the first and most impor-tant consideration with regard to cut worms in the garden is that of observ-ing when they start operations. In many instances great have is wrought to the vegetables before the gardener realizes what is going on. They start their depredatious work very slowly. Probably the first indication of their presence will be marked by the finding of a single plant lying wilted on the ground. When a plant is thus found, get busy and treat the other plants in the garden. Poisoned bait made of 50 lbs, bran to one pound of Paris Green and mixed with three pounds

Green and mixed with syrup and water—en-ough to make it crum-ble nicely in the hand, when spread on the surface of the soil around the plants in the early evening—will be fairly effective.

The old-time remedy

of tin collars or paper collars around tomatoes and other plants, when not too numerous, is excellent. Care must be taken, however, not to enclose the cut worm in the soil inside the collar.

When

in the space, where can afford to place boards temporarily around the area, putting the edge of the boards about two and one-half to three inches below the surface of the ground, and letting them project six inches or more, so that the valuable plants to be protected are enclosed by the tight board. Put poisoned built at intervals on the outside of this enclosure close to the boards or, better, some at the boards with a narrow band of some sticky substance, such as tanklefock.

Orchard and Garden Notes

Were the fruit trees sprayed this spring? If not, expect wormy and diseased fruit.

The flowering current, Juneberry, and flowering almond are among the shrubs that flower early.



Successful Melon Culture Under Difficulties

When a plot or a Many are deserred from growing melons, believing their disastence of the state of the state

Ferns may still be transplanted from the woods to a sheltered spot about the house or yard.

Morning glories, wild cucumber, and hyacinth bean are good vines to cover up unsightly fences or rock

It is not too late to spade up that weedy place on the lawn, add well rotted manure and sow good bluegrass seed

Make a libera. planting of Golden Bantam sweet own. Stowell's Ever-green may be planted at the same

time for late corn.

time for late corn. Keep the cultivator going in the garden. It is easier to get rid of the weeds when they are small than whet they are well established. Do not set out tomatoes, cannas coleus, or other tender plants until the end of May, as there is always danger of frost or cold weather until that time. time.

Dahlias and gladiolus may still be planted. In fact, it is an excellent plan to plant gladioli at intervals in order to get a succession of bloom the whole season.

The main crop of potatoes should go into the ground now. Treat all seed with formalin or corrosive sublimate, for scab, and plant on land that has not been cropped with potatoes recently

Keep the lawn moved this month if Keep the lawn mowed this month if a close, fine sward is wanted. Nitrate of soda is a good fertilizer to apply for quick effect on the lawn. Use at the rate of from 150 to 200 pounds per acre. Put on just before watering or during a rain. It should be applied two or three times during the sum-

Rhubarb and asparagus are two perennial vegetables that are early or the market and are easy to raise Rhubarb should be set in autum. Strong one-year-old plants of aspar-agus may be set as late as the middle of June. Prepare the land well and set at least six inches deep, covering but two inches deep at first, gradually filling the trench as the plants grow.

Poisoned spray for codling worm.



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MANY diseases of hogs are directly due to feeding from the filthy, unwholesome mud of the barn-yard. This manner of feeding is also wasteful, because the grain is trampled into the ground, in and a condition that not even a hog will eat. Concrete feeding-floors, with a concrete well-as the control of the

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Laying Out an Orchard

Laying Ust an OTCLBATO

P. E. Angle, B.S.A., Norfolk Co., Ont.

The criterion of the success of any method of overhard planting is the number of trees that grow and the growth that they make. Many factors influence the success of orchard seing, such as quality of story, runing and so forth. I will deal only with a cannal laying off of the control with or of the control with the control laying off of the control with the control the actual laying off of the orchard

the actual laying on the actual laying on the actual laying for tree setting.

Trees will grow as well in crooked as in straight rows, but all orchardists are paying more attention to the assemble onwadays. Hard work to many of us is odious at beet, but when we do it right and take a pride in it, it is not monotonous. Laying out an way with rows do it right and take a pride in it, it is not monotonous. Laying out an orchard in a proper way with rows straight in all directions is a source of satisfaction that makes work en-

There are several systems of orchard planting,—square, sexagonal, alter-nate and so forth. After we have denate and so forth. After we have de-cided on the system that we want, the next question is, how are we not, the next question is, how are we not ing to get the trees in uniformly. There is the old and exact way of using planting boards, but this ne-cessitates staking. I will describe my system which eliminates to a large extent the staking and altogether the use of the planting boart that we wish the trees to be. We work two rows of stakes parallel to each other

wish the trees to be. We work two rows of stakes parallel to each other 1,000 feet apart, or as much less as desired. We stretch the wire between the stakes and set the trees beside a knot in the wire. This is, in brief, our system.

our system. Before starting to stake the orchard, we must have a base line to go by. The road line should form the base in any case and the line fence on the adjacent side of the orchard one of the side lines. We measure the distance from the road to the first row of trees; 30 feet is a good distance. We plant stakes at both ends of the field and stretch a wire tightly between them. This does away with cutting the stakes and is more accurate. As a point-20 foet from the fence we put in our first stake and then follow up with others along the same distance apart as we wish the same distance apart has a specific as the tree of the same distance apart as we than a safe line, as the tape is apit our straight edge so that we will not have to be do over in making the measurements. Before starting to stake the orch

Let us suppose that the field we are planting is of 20 acres and 1,000 feet iong. This is the greatest length of

planting is of 20 acres and 1,000 feet long. This is the greatest length of wire that we can use satisfactorily.

We sake a stake 20 feet from the side of the orchard near the back of the field. We attach the wire to this the field. We attach the wire to this he first the property of the first than the first that the stake of the first has the first that the stake of the first has the first that the stake of the first has the first that the stake of the first has the first that the stake of the first has the first has the stake of the first has the first has the first that the stake of the first has the first has the first has the first has the first that the first has the first ha

and setting the trees directly beside the marks on the wire. In setting the true, the men work In setting the true the men work in, pairs. Both dig the hole, then one man holds the tree and the content of the earth in around the roots with the fingers, while the other shovels it in, fingers, while the other shovels it in, we have tried galvanized fence wire and black fence wire, but find them to be of no use for this purpose as they stretch too much. We now use

a wire of seven strands made by winda wire of seven strands made by wind-ing six wires around one another, and it has proven perfectly satisfactor. We For marking the tree distances, we let a lump of solder harden on the wire. This method of marking we find more satisfactor; than with looke wire or tape, and if "e will to re-move the solder it is easily meted.

-POULTRY YARD Resessessessessessesses

Poultry Parasites

Poultry Parasites

By F. C. Brown

Of the different parasites affecting
poultry red mite is the most objectionable of all. It is a night marauder, and owing to its habit of attacking the bird. by plood-sucking, after dark and avoiding the light of day
thus escapes the observation of any
but the keenest of men. Permitting
no hiding-place for the mite and occasional agraying of the interior of the
house are the best means of fighting
thus peat. Again, do not allow the
peat. Again, do not allow the
valles. When a house becomes infested it is impossible to say when the
mites will approximate the survest way of
the parasity of the property of the controlled.

I have wund the survest way of
cleaning a badly infested house was to



How many are rotten ?

clear out the perch system and fix the perches on inch gas-piping driven in-to the ground, keeping the pipes well greased for some time. Perches are greased for some time. Ferches are sometimes suspended away from the walls, but so close to them that the feathers of the birds touch the walls. This is fighing the mite on the one hand and encouraging it on the other.

hand and encouraging it on the other.

MORANTOR BODY LIGS

Body-lice are another form of parasite which bring about a debilitated condition of the bird unless kept in check. The dust bath, placed preferbly in the open, under a shrub or oush, is the best preventive. Immediately a bird's beak is seen to be busy among its feathers the presence of body-lice may be regarded as certain. If body-lice are very unvalent in a body-lice may be regarded as certain. If body-lice are very prevalent in a flock, and the birds are at all confined, all the conditions are present for the formation of the habit of feather-pulling. In 99 cases out of a 100 feather-pulling has been due to irritation caused by heavy infestation by lice.

Another distinct form of louse re-sponsible for weakened stock and de-creased returns is the variety which ir ests the head. This is much larger than the ordinary body-louse, which, by the way, is mostly found around the vent. I save received several in-quiries lately in regard to the cause quiries lately in regard to the cause of birds presenting an amenic appearance. In each case the cause was found to be head-lice. A close examination of the head showed the lice—about half the size of a sheep-tick—with their heads buried deep in the flesh and gorged with blood. It is a singular thing that on making inquiries it, was found that in each case. is a singular thing that on making in-quiries it was found that in each case the birds were being housed under the continuous-house system. With this trouble individual treatment is neces-sary, the light application to the head of an ointent composed of sulphur and lard being generally effective.

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What One Sire Will Do

(Continued from page 4) I had never seen the Jersey milked. And I got a surprise. She was the best milker in the stable, not only the easiest to milk, but she gave the most

and richest milk. and richest milk.

As I became better acquainted in
the section I began to find that there
were a goodly number of Jerseys scattered throughout the Holstein herds of
the community. In fact nearly every
grade herd had at least one, and in
almost accuracy and in almost every case the farmers declared that their Jerseys were the best cows they had. And every one of these Jerseys were sired by the same pure-bred Jersey bull. This bull had been bred Jersey bull. In so but had been brought into the community as a grant of the sound of the s

Car loads of pure bred cows are Methods of Management on a shipped from this district to the West and the United States at remunerative prices. The clover seed crop is a failure this year, but timothy is very good. Thousands of car loads of hay are awaiting buyers in this province and I am glad that the price will be and I am glad that the price will be now enough to induce farmers to feed it to stock, instead of sending their farm fertility to the United States or England. This last named coun-try will soon cease to import hay on the introduction of auto trucks, which introduction of auto trucks, which is the for heavy traf-fic in the large cities use for heavy traf-fic in the large cities use as liver-pool and London. pool and London.

Quebec Farm

(Continued from page 3)

his remodelled farm with every conence,-running water, bath, and so forth

Neatness and orderliness are char-Notations and orderliness are characteristic of the Logan farm. Every field is laid out by the tape measure. The slouchy and undesirable ure. The slouchy and undesirable barb wire fences that at one time did vided the farm, have found their restring place in the bottom of the Chair and the street where were mire has taken its place tive woren wire has taken its place are larger than the street with the s there is a place for everything everything is kept in its place.

THE FARM BUILDINGS

Mr. Logan's main barn is 110 by 41 feet, without a basement, the stables being located between the two drives. The calf pens are to one side of a drive floor. In an L 60 by 30 feet, is the horse stable and drive shed. In the cow stable, where there is accommodation for 36 milch cows, the cattle face out. The floors are of the cattle face out. The floors are hetween. is accommodation for the floors are of the cattle face out. The floors are of cement. The partitions are between cement. The partitions are between every other cow. Running water and dividual water bowls are a feature of the stable.

Paint has been used lavishly at Sunnyside Farm; every outbuilding on the farm is painted white with green trimmings. The interior of the stables, too, are painted partitions between the cattle partitions between the cattle and horses and the lower four feet of the walls are painted green, and the rest white. We asked Mr. Logan if it were not somewhat expensive to keep his buildings so well painted, even if it did make them were attractive.

his buildings so well painted, evon it did make them very attractive. "Not particularly," he answered. "In the first place we use cold water paint, which, outside of white wash, is the cheapest of paints, and at the same time is durable. It cost me just \$100 to paint all of the buildings both inside and out. That included by the paint paint all of the women for eight and one-half day, does not, however, include their beard."

There are many other features of the Logan Farm that we might men-tion if space permitted. The features that might most profitably be adapted to every farm in this country are the regular short rotation and the keep

regular short rotation and the keep sing of high-quality stock.

Mr. Logan is a believer in the value of farms' competitions. He has been entering his farm in competitions for the last 10 years, and testifies that he has always been amply reimbursed for his trouble in information that he has gained. Mr. Logan is also a noted plowman, haring won II first prizes in ploying my won II first prizes in ploying ing won 11 first prizes in plowing matches, there being 21 competitors in the last competition in which be ook part.

You never hear Mr. Logan apologize for being a farmer. Oh no! He is proud of his occupation. And he might well be proud of the success that cess that he has made of it.-F.E.E

Winter Fair Activity

A deputation representing the Tor-A deputation representing the To-onto Winter Fair Association consist-ing of R. J. Fleming, Mayor Hocken, and Controller Foster, of Toonto, recently waited on the Minister of Agriculture at Ottawa, to ask the support of the Federal Government towards the establishment of a National Live Stock Dairying and Poultry Fair in Toronto.

Hon. Martin Burell gave the depu-Hon. Martin Burell gave the depetation a sympathetic hearing and promised to bring the question of governmental cooperation with the association before his colleagues. It now looks as if the first winter fair in Toronto will be held in 1915, and not 1914, as was at first planned.

NO MORE OF THIS



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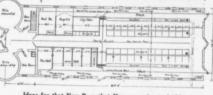
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BONT ELEVATION



Ideas for that New Barn that You are going to build A few years ago the dairy authorities at the Wisconnis State College got their heads together and planned what they considered an ideal barn for the dairy farm we give leavewith the floor plan and the front and rear elevations of this Wisconn sin model. The general features of the plan can be adapted to a barn of any size

had made beef of the greatest sire of the community. Such was the inthe community. Such was the influence of one sire on ordinary grade cows. I guarantee that Pontiac Korndyke didn't make greater imprement, in stock sired by him, in generation than that Jersey did grade cattle

A pure-bred sire in a grade herd like a crop of wheat on virgin soil. It has a better chance to do great things; has a better chance to do great thinks; and it does. I could give other in-stances of the prepotency of the pure-bred bull in grade herds. A pure-bred sire I regard as a perfectly sure in-

Chatty Letter from Quebec

Aug. Faford, L'Islet Co., Que.

It was my good fortune to travel through the entire province of Que-bec last winter. I have met hundreds of Farm and Dairy readers and can say that they are up-to-date farmers and trying to learn more every day. In the counties of Huntingdon and In the counties of Huntingdon and Chateaugus several farmers were shipping as much as 1,000 and 1,200 lbs. of milk to Montreal every mor-ing. Think of the monthly returns; the price was \$1,90 a cut. It would be interesting to Farm and Dairy readers to see more contributions from these up-to-date farmers. Farm and Dairy would, I am sure, be glad to print them.

to come in. And immediately people autumn was very wet and crops had saw the mistake they had made. They to stand weeks of rain, so that the to stand weeks of rain, so that the quality of grain and straw was much rduced. Corn was a poor crop throughout the province, half-filed

so good roads movement is spreadoughout the province and milof dollars are spent every sum-mer and more will be spent in the future. The county of Laval alone will spend \$25,000 for macadam. The

Quebec government charges only two per cent. on this amount and this interest will be paid for 41 years only. terest will be paid for 41 years only.
After that, the municipality has not a cent to pay; the government pays the total amount. Much credit is due Hon. J. E. Caron, Minister of Agriculture and Highways (and a farmer himself) for this road law. More than 66 will be seen to the control of th than five millions, of the \$10,000,000 voted, was taken by the municipalities for roads last summer. Think of the result: More than 100 macadam outfit machines will work next summer in the counties of Quebec. We may well be proud of our good old province, but we must not forget to keep pushing ahead. I know this Dominion well and I can say that some counties of the province of Quebec are not equalled in Canada. There are great possibilities and the right kind of farmer will win the palm.

Farmers, send your sons to an Agri-cultural College and your daughters to Domestic Science Schools and suc-cess will be theirs.

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WHY WE STAY WITH THE BACON HOG

Jas. Ferguson, Russel Co., Ont.

some statements not in harmony with the views of a number of hog-raisers. Mr. Macdonald has, through contributing many articles to the press, become known to a large number of readers, and his writings are generally of a high order; yet he must expect to meet with many who do not agree with all his statements; so, no doubt he will take a little criticism of the article kindly. article kindly

article kindly.

He has produced figures showing a great decline in our export bacon trade, and attributes the blame to a lack of active cooperation with the farmers, on the part of the packers. If Mr. Macdonald holds that our export trade from year to year adequately represents the volume of the bacon industry, his arguments are based on a misconception. If we examine our export trade figures in the dairy industry, we will find exactly the same thing—a marked decline; in the same thing—a marked decline; in



A Popular Cross

The sow shown herewith is a pure-bred Berkshire. The youngsters are half Berkshire and half Tamworth. Mr. R. M. Inman, Elgin Co., Ont., regards this cross as a most desirable one to produce bacon hogs of good site and easy fattening qualities.

fact we have now commenced to import quite large quantities of butter from New Zealand.

NO DECLINE, HOWEVER

But does this prove that we are producing less? Not so. According to the Report of the Dairy Commission to the Report of the Dairy Commission for 1911 our exports of dairy produces for year ending March 31, 1911, were about eight million dollars less than for the year 1903, but the total production for the same years shows an increase of \$17,000,000. There is ever an increasing quantity of our products being consumed in our own claim, owing to consumers increasing much more rapidly than producers. Still, it is a repretable fact that some years far less hogs are produced than should be; and the greatest grievance that bacon producers have, is that the packers insist on paying a flat rate for bogs, fat and lean. That has done somere to kill the bacon hog industry chans anything else.

more to kill abe bacon hog industry than anything else.

Coupled with this fact is the errone cous impression, of which also Mr. Macdonald is guilty, that the thick fat hog is more economically fed than the bacon hog. It is impossible for me to say much about the hog of 20 years ago, as that was before the hog had much interest for me, but its feeding qualities could not have differed greatly from the present day Berkshire or Chester White. I have fed hogs of different breeds and crosses, such as pure bred Berkshires, crosses between the Berkshire and Vorkshire, grade Yorkshire, grade Chester White, and pure bred Yorkshires, and can any that so far as my observation went I am quite satisfied with the latter. They seem to feed and make pork just as economically as any of the others.

In the May 1st issue of Farm and Macdonald seems to have very little Dairy appeared an article penned use. It is a wonder if some of these by J. A. Macdonald on the hog industry of Canada, which contains will not have a bone to pick with Mr. some statements not in harmony with Macdonald, when he says that "They know of a number of the says that the views of a number of the says that the views of t

statements seems to have very house. It is as wonder if some of these tations, will be considered the seems of the seems o proper interest in his work, and they very often have a pasture to exercise in. It is therefore all the more carried to the property of the property of the property of the base of the base of the base of the heavy fat breeds, so often made of the heavy fat breeds, so often made a better showing than did the latter, I believe these experiments are perfectly reliable and that farmers should have no hesitancy in accepting them.

CANADIAN HOGS IDEAL

Canada is well adapted to hog-raising. We can produce, and do produce, ideal bacon hogs. The taste of the consuming public demands the comparatively leaner meat, as those who dress their own hogs for market well know; therefore, would it not be folly to change? Across the line the heavy fat hog prevails. Our packers now import some of this fat pork to supply the limited demand for it in this country, but as our trade relations with the United States are soon to be much improved it is very likely that much of our prime, leaner bacon will find a market over there, as many of our beef cattle are doing now. Of course, if a cross is desired, perhaps the Berkshire and Yorkshire cross would satisfy most people, but stay with the bacon type.

A Cheque For The Hired Man

Editor, Farm and Dairy,—One reason why many farm laborers prefer yeity employment is that they have to be continually "nagging" their farmer en employer for money. The city laborer gets his pay cheque every week or fortnight as the case may be and no questions are asked. The laborer is worthy of his hire. We farmers have no more right to keep the hired man waiting for his money than to keep him waiting for his money than to keep him waiting for his money than to keep him waiting for his meals. It isn't that we haven's got the money, but that we have no aystem of paying regularly. The man who knows he is going to get his cheque every month is a contented man. He thinks more of his employer and does more for him. Let me say to my fellow farmers, open a chequing account with your bank to-day and make your hired help feel satisfied.—B Blanchard, Hants Co., N. S.

others.

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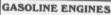
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SUCCESSFUL CANADIANS

"You have told us a lot about what some Yankees have done with purebred stock," remarked a Farm and Dairy reader lately "Tell us some thing about successes nearer home and we will like it better."

Well, we don't have to go to the States for striking examples. It is only a few years since G. A. Brethen, of Peterboro Co., Ont., pocketed a big bunch of conservatism and invested three or four hundred dollars in a single animal. Mr. Brethen's fame and fortune started from that day. To-day he has a nice little herd of Holsteins, among which is numbered the world's champion junior threeyear-old. "I am getting more enthusiastic about pure-bred Holsteins every day," remarked Mr. Brethen to us recently, and well he may.

"From hired man to wealthy

possibilities of pure-bred Ayrshire cattle. Before he was fairly on his feet he had gotten a hold of some good pure-bred animals, and to-day his herd is recognized as one of the best in America, if not in the world, and his wealth is counted in many thousands of dollars.

An examination of the subscription dreds of men who are making good in the pure-bred line. We believe that what a man sets his heart on and directs all of his energies to obtain, he will get. If we are in dairying to stay we might as well decide right now that the first and the best paying improvement that we can make is to improve the dairy herd. Even if we don't startle the world with our success we may hope confidently for a better living and an easier living than would otherwise be

THE INCOME TAX

President Wilson's proposal to tax all incomes of over four thousand dollars a year in lieu of the revenue that will be lost in the proposed lowering of the protective tariff of the United States, is receiving much commendation on both sides of the line. Only the other day a Canadian farmer was heard to remark, "That's a dandy good idea. Its hard on the rich man, but its good for the poor man. Why can't our government take the tip?" President Wilson's proposal also has been heartily commended in many of our leading newspapers. In fact, we have not yet heard a serious criticism of his proposal in Canada. In case our own government should some day be tempted to follow President Wilson's lead, let us look into the pros and cons of income taxation.

President Wilson is making an honest attempt to place the burden of taxation where it belongs. Under the present United States system, which is also the system in Canada, of collecting revenue by the protective tariff, it is quite conceivable that a poor man with a large family might contribute more to the revenues of the country than a rich man with no family. The income tax is a direct tax and is designated to be proportional according to the wealth of the individual. A man receiving less than four thousand dollars a year will not be taxed at all and as his income increases so does the severity of the tax. This looks right and just, but how will it work?

The greatest weakness of the tax as we see it is the difficulty that will be experienced in determining the taxable income. The man who is receiving four thousand dollars a year in the majority of cases will be a salaried man. His income is easily determined and he will be taxed to the full extent of the law. The man who is receiving ten thousand dollars a year is more likely to be in business

farming experience of R. R. Ness, honest the chances are that he will be Howick, Que. About 19 years ago taned for four or five thousand dollars Mr. Ness started out without a farm, a year, or may escape taxation alwithout even capital, but with abund- together. As the income becomes ance of faith in the money-making greater and greater, so increases the difficulty of determining its extent. (the man himself may not know his income), until the man whose income runs into the millions a year will be able to conceal a large portion of it and thus escape his just share of taxation. We believe that income taxation is bound to press much more heavily on those receiving the minilists of Farm and Dairy shows hun- mum taxable salary than on the overrich. How, for instance, can an assessor determine a man's income who is becoming rich through bonuses of watered stock, through real estate deals or through speculation of any kind. An income tax is equivalent to putting a premium on liars.

not much more logical to tax the source of his income? Rochefeller's great income, for instance, comes from

But why tax a man's income? Is it oil wells. He can conceal his income through adroit bookkeeping, but he can't conceal the oil wells. Carnegie is able to make an income running into millions because he controls the sources of steel ore. Ore beds are too entensive to be concealed. Why not tax them? The city land holder who draws hundreds and thousands of dollars a year in rent, might falsify his statement to the tax collector, but his land could not escape the eyes of the assessor. Why not tax it? So we might go all the way down the list. Practically all of the great incomes are derived from land or the resources of the land. Is it not more logical to tax the sources of the income than the income itself?

The farmers' organizations of Canada have one and all advocated direct taxation of land values. We believe that our farmers are more far-sighted in their ideas on taxation that is President Wilson. We in Canada cannot do better than follow along the lines of land value taxation as suggested by our organized farmers. Farmers have nothing to fear from this system of taxation and everything to gain as their land being low in value and their improvements exempt, their taxes would be light especially were customs taxes to be removed or lowered

Students at the Ontario College of Agriculture are beginning to do things in a cooperative way. For years

they have been talking Practical in the class rooms of Cooperation cooperation in buying and marketing. At the

same time they have been purchasing their text books, note books and paper from the dealers in Guelph City and paying a big middleman's profit. A couple of years ago some of the boys suggested that they apply cooperative business principles to the purchase of their school supplies, and now the boys have organized themselves into a cooperative association, and purpose buying their own supplies and running their own store at the College. Who can tell how widebreeder," sums up the history of the for himself and unless he is unusually spread may be the effects of this coThis false idea of independence attends in the say of success with thousands of success with thousands of success with thousands of success and rar rs. Who, may we ask, in dependent? The man who, stand independent? The man will and caprice of the "market," or the caprice of the "market," or in caprice of the

operative venture on the part of th O.A.C. students. If the student store is a success, as we believe will be, will not the students who leave the college be more enthusiasti cooperationists than when their know ledge of cooperative buying and sel ing was all gained through class room lectures? Will they not be more ap to agitate for cooperative unions their own communities than they have ever been before? The students have made a good move.

Earning a Farm (Nebraska Farmer)

The department of agriculture Washington finds that money wages of farm labor in the United States increased about 31 per cent during the past year, and about 7 per cent during the past two years. In ten years the increase he been 34 per cent, and since 1894, 6 per cent

Now "working out" has always been considered the best means for a young man to seeve a start in farmin Surely this great increase in mon wages has made it easier for a your man to begin as a farm hand at man to begin as a farm hand as earn a piece of land than it was in his father. Let us see. Between 1890 and 1910 the average

increase in the price of land in the United States was 135 per cent. Be tween 1900 and 1910 the increase the country as a whole was 108 ; cent, and in the state of Nebrasa 231.8 per cent. Compare with the figures the advance in money wage for farm labor of 34 per cent years and 65 per cent since 1894.

In ten years in Nebraska the priland increased more than the and one-half times as much as are age money wages for farm labor in the United States increased in nin teen years! Leaving entirely out account the increased cost of wear apparel the farm hand must buy for himself, it is evident that it is hard to secure a farm by "working out now than ever before in this country

Many farmers that secured the land years ago, either by homestee ing it or purchasing at a low pris do not see that the young man of to day has a harder proposition to seem a farm than they had. These figure are presented in behalf of the your man and the farm hand.

When a buttermaker takes a poor tion in a creamery after another but termaker, he may not always find termaker, he may not always for things in the condition that he like but even if he doesn't, it is poor policy for him to make much noise about it, because the old butterm ker will always have some friends left after is is gone, and they are sure not to be your best friends if you say anything to hurt the reputation of the old but

P. R. Moe From my would like readers my What litt Bert M. tioned in th considered men in ad has been pi tion of Ame In a shor

of Advertisi I was goin is of as muc body as reli all, it is.

May 29

Why O

Religion p hereafter. pares you fo now Advertisin

fied with the and raiment a thing that about and renables the h family is to Without

sugar, flour. staples would of barrels a microbes an Without adve give you wha advertising h nlease

Advertising inferior thing It has pr proof, and wrappers arou has found mi jobless and er choose the worthy. It f

stores the sto When a nev complishment springs from t ors, advertisin picture, the price before t

on to tell how men and wome ally and stylis churches, the room; how it politicians; hor force that is lif pushing it on a

He then poi ing has been w trol of the sy scrupulous, and "All hail, ther mightiest of a universe!"

We would no on any of thes is just as well buying anythin tised in a pa Dairy, which ly its advertiser

"A Paper Pas

9, 1913

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Why Our Boys Have Left The Farm P. R. Moore, Frontenac Co., Ont.

From my own practical experience I would like to give Farm and Dairy readers my opinion of why the young men of Ontario have left the farm.

What little education I received

AD. TALK LXXXIII.

Bert M. Moses, who was mentioned in this column last week, is considered one of the really big men in advertising. In fact, he has been president of the Association of American Advertisers.

In a short essay on "The Might of Advertising," he writes:

I was going to say that advertising is of as much consequence to everybody as religion, and maybe, after all, it is

Religion prepares you for a happy hereafter, while advertising prepares you for a happy life here and now

Advertising is as closely identified with the home to-day as food and raiment themselves. It takes a thing that people ought to know about and makes it known. enables the housewife to select with care and forethought what the family is to eat and wear.

Without advertising, crackers, sugar, flour, tea, coffee, and other staples would still be scouped out of barrels along with myriads of microbes and numberless germs. Without advertising a dealer would give you what he pleased, but with advertising he gives you what you nlease

Advertising has made the sale of inferior things difficult.

It has put germ-proof, dust-proof, and disappointment-proof wrappers around the packages. It has found millions of jobs for the jobless and enabled the employer to choose the worthy from the unworthy. It finds the lost and restores the stolen.

When a new idea, process, or accomplishment to benefit mankind springs from the brain of the creators, advertising puts the name, the picture, the particulars, and the price before the world's eyes.

Then Mr. Moses goes on to tell how advertising enables men and women to dress economically and stylishly, how it fills the churches, the theatres, the lecture room; how it makes and unmakes politicians; how it is the irresistible force that is lifting the world up and pushing it on and on.

He then points out how advertising has been wrested from the control of the swindler and the unscrupulous, and he concludes with: "All hail, then, to advertising, the mightiest of all the forces of the universe!"

We would not dispute Mr. Moses

was in a little, old stone school house in this county in the latter part of the fifties. At that time we had no On-tario Geography, but used an Amer-ican Geography published in New York with illustrated maps of every state in the American Union. Can-sid was represented by one small man ada was represented by one small map and described as a cold, barren counand described as a cold, barren country noted for its fur bearing animals and, with the exception of a few scattered settlements along the Great Lakes, was thinly inhabited by Eskimaux and Indians.

maux and Indians.

What was the result of this teaching? Why thousands of our best young men went to the United States. Thousands enlisted during the Civil War and many a good Canadian father and mother were left to mourn the beautiful father and mother were left to mourn the bases of a concept of the father and the control of the con the loss of a son who fell fighting the battle of a foreign country.

the loss of a son who feel agentia the battle of a foreign country. Normal state of a foreign country in the fall of 1865 I made my first rip up the waters of the Salmon river to the centre of the country. There were a few scattered settlers along the lakes and lumbering was the principal lakes and lumbering was the principal case and the state of the control of the settlement of the country. The was average of 50 men in each. The state was a wareage of 50 men in each. The state was a wareage of 50 men in each. The state was a wareage of the country of the state of the s

The settlers and their families were merely since and no settlers and use the lumbermen. The land was all user license and no settler could but and the last stick of valuable to the last stick of valuable to the last stick of valuable to the last stick of valuable and the cutting of the timber. The rem the cutting of the timber. The rem the logs being taken and the brush tops legs being taken and the brush tops left to be burned. This resulted in disastrous fires and many a poor settler had to leave his sharty and flee with his wife and children to the brate to avec there lives. beats to save their lives.

WHY DID THEY STAY?

Thousands of our best young men were educated to lumbering when they could not find remunerative employ-ment elsewhere. Large numbers went to Michigan and when travelling through the State of Michigan today we find that in some sections two-thirds of the population are Cana-dians or their descendants.

What has been done by the Ontario What has been done by the Ontario Government to encourage our young men to stay on the farm and clean up the millions of acres of swamp lands in Ontario? Haven't the young men of Ontario ever stood it readiness at their country's call and are they not

their country's call and are they not deserving of any encouragement? Today railroads are being built by the thousands of miles. These rail-roads can be built by foreigners but they cannot be operated by foreigners. A large number of our young men have left the farms of Ontario to seek employment with railway companies. The wares naid by the railway comemployment with railway companies. The wages paid by the railway companies are much properly and the price that the railway companies are much price that the railway companies that the product of the farm to the cities must be in accordance with the wages paid their employees. If the farmer employed labor at the price the railroads pay and put a price on his products to equal the wage paid, half the people in the towns and cities would have to go back to the land and become producers instead of consumers.

When the farmers of Ontario can

We would not dispute Mr. Moses on any of these points save that it is just as well to make sure when buying anything that it is advertised in a paper like Farm and Dairy, which guarantees absolutely its advertisers to its readers and is—
"A Paper Parmers Swear By"

"A Paper Parmers Swear By"

ELAVA CREAM SEPARATORS

No Excuse for any Cow Owner Being Without One

There is no reason why any cow owner who sells cream or makes butter should be without a cream separator and there is no excuse why he should not have the best separator.

Any creameryman or experienced dairyman will tell you that



a good cream separator will give you a great deal more and a great deal better butter than you can make with any gravity setting system, and equally, of course, more and better cream, if you are selling

The DE LAVAL is acknowledged by creamerymen and the best posted dair men the world over to be the "World's Standard" and the one and only separator that always accomplishes the best results possible and always gives satisfaction.

You cannot make the excuse that you can't afford to buy a De Laval, because it will not only save its cost over any gravity setting in six months and any other separator in a year but is sold either for cash or

on such liberal terms that it will actually pay for itself. A little investigation will prove to you that the truth of the matter is that you really can't afford to make cream or butter without the use of a DE LAVAL cream separator.

The nearest De Laval local agent will be glad to demonstrate this to your own satisfaction, or you may write to us direct.

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

WE WANT YOUR CREAM

Sweet or Sour

Drop us a card for Cans. We supply them and pay Express weighed and tested on delivery and returns go back every week. We require an unlimited quantity of Strictly New Laid Eggs BEST PRICES FOR BOTH CREAM AND EGGS
Reference, Bank of Montreal.

THE BOWES COMPANY, Limited 74-76 Front Street E. Toronto

Natco Everlasting Silo need no insurance-because it is permanent. It cannot

burn; will not blow over; lasts a lifetime

Built of Hollow Vitrified Clay Blocks The most lasting material known. Blooks are air tight and moisture proof. They are glassed and keep slings sweet and pelatable. No hoops to tighten; no stares to paint. Never swells or shrinks, Atmeetive in appearance—a silo that will improve the looks of your face.

Any Mason Can Build a Natco Everlasting Silo Once up - it will last a lifetime without needing repairs.





STEELE, BRIGGS SEED CO.

Highest Price for Cream

L-We supply cans and pay express

II.—Test every shipment upon arrival and send a statement for same. III.—Pay every two weeks and oash

It costs you nothing whatever to give our system a trial. Let us send you a can a you to try a few shipments. For fuller particulars write and enable

The Berlin Creamery Co. Ontario

CREAM WANTED

We pay the highest city prices for cream delivered sweet or sour at any supress office. We supply cass and remit prompt-ly, with an acourate record of each ship-ment. It is years' experience counts, and your cream to the Toronto Creamery IT PAYS.

rested you should write us Toronto Creamery Co., Ltd. TORONTO

Wanted

Good friends of Farm and Dairy to telephone a friend or neigh-bour right now and ask him to become a subscriber to this your favourite farm paper.

Thank you, friend! we appreciate our kindness. We also will reard you amply. Write us about ward you amply. Write the premiums you want.

Farm & Dairy, Peterboro, Ont.

Sweet Cream WANTED

Write for particulars to:

S. PRICE & SONS, Limited TORONTO, ONT.



Better Butter And Better Prices

These are the two big reasons why you should use Windsor Dairy Salt.

If you make your living out of the butter you sell, then anything that will make the butter better will make more money for you.

WINDSOR

has proved its quality and superiority in thousands of dairies and in hundreds of contests.

Successful creamery men have used and are still using Windsor Dairy Salt-because it gives them the best results always.

Are YOU using it?

710

Cheesemakers

Make big money in your spare time getting ubscriptions for Farm and Dairy. Write our Circulation Department now for full particular

"Last Call!"

¶ Ye advertising men who want to profit in our great 5th Annual Farm Machinery Magazine Number must get copy in to us at once!

Press days begin Wednesday, May 28th.

A few may be accommodated as late as before 10 o'clock a.m. Monday, June 2nd.

Adv. Dept., Farm and Dairy *************** Creamery Department

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

and questions on and to a subject to decision.

betters to Orsamery Department letters to Orsamery Department are grading Does

"How can I get my patrons to deliver good cream," has long been the distressed cry of many a buttermaker.
L. P. Anderson of Algoma, Iowa, answers, "Pay them for the good stuff!" In an address recently before the Iowa Buttermakers' Convention he told of what grading had done for cream quality at his own factory at He said

Algoma. He said:
"For the year 1910, before we began cream grading, we received approximately 80 per cent. of our butterfat in sour cream and only 20 per cent, in sweet cream, while in 1912, we received 80.7 per cent, of our butterfat in sweet cream and 18.3 per cent. in sour cream. When you compare 80.7 per cent. of butterfat sweet cream delivered in 1912 with 20 per cent. in 1910, you can readily see how rapidly our patrons have taken to the idea of caring for their cream and getting rding to the quality of cream
de at the factory in preference
to old method of receiving the

same price for their cream regardless of quality." Additional evidence of the value of

grading was given in the same address by Mr. Anderson as follows: 'The dairy authorities of the state of Maine claim that at one time 90 per cent. of the cream was sour when it reached the creamery; but within a short time when a system of grading and paying according to quality was established by which sweet cream re-ceived a premium of 2 to 3 cents a pound of butterfat, 95 per cent. of the cream was sweet when it reached the creamery and this condition still prevails. This is what we would ex-pect, there must be a premium for quality and unless there is we can not quality and unless there is we can not expect it. It is only natural that the farmers take the road of least re-sistance in handling and delivering their cream to the creamery when there is no premium for quality."

The Health of the Maker

With a creamery of proper construction, and with due attention to steam leaks, general cleanliness, etc., the buttermaker's business should be a healthy one. A creamery should be located on a well-drained spot. If a site cannot be secured with sufficient site cannot be secured with sufficient natural drainage, the place should be filled in and graded until there is suf-ficient and natural drainage. The front end of the creamery, which usually consists of intake and office, should face south, because it stands most in need of the disinfectant ac-tion of sunlight. The rear end should face north, to escape as much of the sun's heat as possible.

The creamery should be furnished with an abundance of light by providing a sufficient number of windows.

This is a matter of importance both from the sanitary point of view and from the fact that the buttermaker's work cannot be satisfactorily done where illumination is inadequate. The higher the ceiling the easier it is to maintain a reasonably dry atmosphere. Where so much steaming is done as in a creamery, nothing could be more undesirable than a low ceiling. Adequate ventilation can be secured only by mechanical means—i.e., by a fan of blower hitched to the enby a ran or blower hitched to the en-gine. Experience has shown that no single thing will do so much toward keeping the creamery air dry and pure as a mechanical ventilator.

The office should be made an entire The office should be made an entirely separate apartment, and not, as in frequently the case, a testing room, and perhaps a wash room. It should be of ample size, receive an abundance of sunlight, and have sufficient ventilation. Moreover, it should be made as attractive and comfortable as possible, for the chances are that the buttermaker amends more hours in his of termaker amends more hours in his of termaker spends more hours in his of termaker spends more hours in his of-fice, especially if he is a bookkeeper, than by his fireside. Count up the number of days you spend in your of-fice every year, and see if it is not worth while to make it as healthful as possible

possible.

Nothing is more unsanitary in a creamery than a porous, half-rotten wood floor. Only cement floors should be tolerated, and these should be built upon a thoroughly drained founda-tion. The approach to the intake should be covered to avoid unnecessary exposure during inclement weath-Inadequate heating during cold er. Inadequate heating during cold weather virtually makes the creamery room a death chamber. Warm, moist air is bad enough, but cold moist air is ruinous to health, whether the ef-fects are felt immediately or not. Steampipes laid close to the floor, and passing completely around the creamery room, furnish the best heat around the er.—Butter, Cheese & Egg Journa

Where are the Leaks?

It requires eternal vigilance and then some for an operator of a small plant, where the division of labor is not great, to watch all the holes through which a little of the profit or all of the profit of the business may easily flow. How many of these holes there are no experienced buttermaker need be told, but the fact remains that in many cases a number of them re-main undiscovered or are, through carelessness or overwork, in There is opportunity for loss ignored faulty conduct of every step of the process of buttermaking and department of the business from th gathering of the raw materials to the

gathering of the raw materials to the ahipment of the butter.

Probably the hest way to detect these leaks, hig or little, when they occur is a carefully kept record of the creamery work and an adequate sy-tem of bookkeeping. Unless such records are preserved there is no way of shocking up the splatter of exrecords are preserved there is no way of checking up the relation of raw materials paid for to finished product or keeping record of how far purchasor keeping record of now far purchased supplies, all the way from tub liners to fuel, have been made to reach. Such a record tends to cultivate a nose for investigation into the exact economic plane on which the creamery is operating.—N. Y. Produce Review.

Training a Horse to Walk

Jas. McKenzie, New Westminster
Dist., B. C.
I have just waded through a long
pamphlet on "The Training of Colts."
Much space was devoted to training in standing, trotting, pacing, cantering, etc., but apparently it never occurred to the author that the walk is the most important pace for the working horse; any my experience is that walking is one of the weak points with the most of horses.

A horse that will walk off at a good sharp pace is of more value to me than the finest trotter in the province. When training our colts for farm work we endeavor from the first to get them into the habit of walking at a good rate. We follow no special melhods. We just keep them going. A horse that will walk one-half as fast as another that will walk one-half as fast as another than the second s other horse ahead of the plow, harrow or drill is worth just one-half as much again to its owner.

The combined cheese and lutter factory is an indication of the growing popularity of winter dairying.

J. G. Taggart, B.S.A., Frontense Co., Ont.

-Cheese

Makers are butions to the questions on cheese makin jects for discr to The Cheese ********

Gre "The cheese

eursed with gr Hodgson of the change at the O. D. A. "If ; dripping as if d Lawrence, you of green boxes. so great is th in Canada for a ed premium. In cured. Makers suffering from quite as much a turers. To get Mr. Hodgson in that we in Cana

cheese in prefe stead of placing as do the New 2 Hodgson advoca sections between that they could essary. This was essary. This was ed by Mr. Hod the green box ev

With a (

Another use electricity, that alante Holland, through periments, found an absolutely free day actually "ago other words, by he would make the all the consistency stored away and two years, says th of Commerce.

He takes a fre ects it to an alter the end of twenty stant alternating through this chees properties of a

This has natural terest in Holland said the electricia many other thing means of electricit paratus that will e urer to so gradus trical action of thi cheese any taste desistency that may ply the wants of a -Chicago Daily P

Mottled Col

What is the remed in cheese? We have lately, but did at on know how to grard rence."—Subscriber The following b means of combating by the Cornell Expe

"(1) By uniform and stirring. This the use of a 5-16 wire knife, and a strell half. teel knife.

"(2) Each partic be kept separated while heating. "(8) Starter sh strained.

"(4) Starter sho fore the color.

"(5) Curds from "(6) Old ourd sh



We Give a Free Trial

of the Domo Cream Separator. Think of it. We send this high grade, easy-turning machine on approval, frequency of the send of the send of the send of the the risk. Prices, from 8160 and upwards, about haif what you pay for others, and you can be the judge of its marti.

Write to-day for Circular "D," which gives full par-ticulars of our trial offer, with Prices, and easy terms of payment. It's FREE.

DOMO SEPARATOR CO.

BRIGHTON, Ont.

ST. HYACINTHE, Que

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Cheese Department

Makers are invited to send contri-butions to this department, to sak questions on matters relating to choose making and to suggest sub-jects for discussion. Address letters to The Cheese Maker's Department. Lescoppesses as a secoppesse as a secoppesse as a

Green Boxes

"The cheese trade of Canada is cursed with green boxes," said Mr. Hodgson of the Montreal Produce Exchange at the last meeting of the E. O. D. A. "If you makers could come change at the last meeting of the E.

O. D. A. "If you makers could come
down to Montreal and see your cheese
dripping as if dipped in the river St.
Lawrence, you would see the menace
of green boxes."

So great is the demand for lumber So great is the demand for lumber in Canada for all purposes that 'eally good, well-cured lumber is at a decided premium. In fact, it cannot be so-cured. Makers of cheese boxes are saffering from the lumber scarcity quite as much as are other manufacturers. To get around this difficulty Mr. Hodgson in his address suggested that we in Canada use crates for our that we in Canada use crates for our that we in Canada use crates for our cheese in preference to boxes. In-stead of placing two cheese in a crate as do the New Zealand shippers, Mr. Hodgson advocated a crate with two sections between the two cheese so that they could be cut in two if necessary. This was the method suggested by Mr. Hodgson to get around the green box evil.

With a Grain of Salt

Another use has been found for electricity, that of aging cheese. An industrial electrician of Rotterdam, industrial electrician of Rotterdam, Holland, through a long series of ex-periments, found that he could take an absolutely fresh chees and in one day actually "ago" it two years. In other words, by means of electricity he would make this fresh cheese have all the consistency, taste and appearance of a fine cheese that had been stored away and carefully aged for two years, says the New York Journal of Commerce.

He takes a fresh cheese and subrical cances and sup-jects it to an alternating current. At the end of twenty-four hours of con-stant alternating electrical currents through this cheese it possesses all the properties of a fine two-year-old

cheese.

This has naturally aroused great interest in Holland, where cheesemaking is one of the big industries. It is add the electrician claims he can do many other things with cheese by means of electricity, including an apparatus that will enable the manufacture to so graduate and direct electricity of the second of this nature as to give cheese any taste desired and any consistency that may be needed to supply the wants of a fastidious market.

-Chicago Daily Produce.

Mottled Color in Cheese

What is the remedy for mottled color in cheese! We have not had any trouble lastly, but did at vue time, and wish to also the color of the cheese where the color of the color

"(1) By uniform cutcing, heating and stirring. This is facilitated by the use of a 5-16 inch perpendicular wire knife, and a 5-8 inch horizontal steel knife.

"(2) Each particle of curd should be kept separated from the others while heating.

"(8) Starter should always be strained.

the vat about 15 minutes before the

School Gardens on the Increase

The school garden idea is taking hold in Ontario. Starting in a understanding has gradually increased until this year Prof. McGready who is in charge of the work has found it necessary to have several assistants appointed, whose duty it is to travel from school to school, assisting those who already to school, assisting those who already whose duty it is to travel from school to school, assisting those who already have gardens and endeavoring to interest teachers, trustees, and rate-payers in the work. One of these newly appointed inspectors, Mr. R.A. Finn, a Kent County boy, recently stopped in Peterboro in connection with his work and called at Farm and Caire office and incidently and incidently approach to the control of th with his work and called at Farm and Dairy office and incidently gave us a few points on the progress that the school garden idea is making in the section of Eastern Ontario over which

section of Eastern Ontario over which he travels.

"I have just been over Haliburten of the property of the pr

a success to interest so many others, we remarked.

"Indeed it was," answered Mr.
Finn. "The garden, under the direc-tion of the teacher, Miss F. M. Pil-key, did so well that it became known

tion of the teacher, Miss F. M. Pji-key, did so well that it became known all over the Province, and its success has been as lig feature in getting other schools started this year.

"This fall we are planning to hold a school fair at each school," continued Mr. Fian, "and then a Central Fair at Haliburton at which the pupils of all the schools will exhibit their produce. If possible we will arrange to have this fair at the time of the Teachers' Convention. We will then be able to show every teacher just what school gardening means in the education of the rural child." "Will all the exhibits at this school fair be grown in the school garden, or do they have plots at home?" we next saked.
"The students have plots both at "The students have plots both at

next asked.

"The students have plots both at the school and at their own home farms. We do not set then to follow any particular method of management, the only difference will be a farmed the farm and the farmed will be in the pupil's plot on the farm and his father's fields will be in the quilty of seeds sown. We are supplying the pupils with the vry best of manufactured that the difference in yield between the pupils with the vry best offinity seed, will be an object lesson not only to the pupils but to the older men of the community."

THE INSPECTORS' WORK

"And what part do you inspectors
ay?"

"And what pare ue you may a many play p" play p" go far we have been endeavoring to get more schools started on the school garden idea," answered Mr. Finn. In describing his own work, Mr. Finn said: "For the most part we have been assisting those teachers who had aiready announced their intention of conducting a garden. It is who had already announced their intention of conducting a garden. It is now too late in the season to have new gardens started and from now on our time will be devoted to strictly Educational work. When I go to a school section, I first endeavor to interest the teacher and pupils, and then see as many of the ratepayers as possible. During the 'summer holidays we propose travelling around from school to school inspecting the pupils plots hold. action inspecting the pupils' plots both at the school and at home."

"I find that when it is finally decid-

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the work is now carried on in connection with the Experimental Union of Ontario, and through the school gardens we will have an opportunity of testing the adaptability of varieties to various sections and also to introduce new varieties through the school. We believe, too, that the ultimate effect of the school garden will be to make the school the core of a social centre for the community."

"And how do the ratepayers take to the idea?"

A GENEROUS RATEPAYER

"As with all new things some are opposed to the idea and some are for it. Mr. Wm. Thurston at Bobcaygeon ar. Wm. Thurston at Bobcaygeon was so impressed with the evident advantages of the school garden that he bought a half an acre of land and gave it to the school in his section, on condition that they would use it for gardening purposes. On the other extreme west. gardening purposes. On the other ex-treme we occasionally find a man who will not only not support the idea but would not give land for the pur-pose if he were paid for it."

Mr. Finn and the other inspectors

have been at work only a short time, but results so far are encouraging. but results so far are encouraging. The educational work that the inspectors are conducting will surely result in a great extension of school gardening work. The school fair idea, which is already being worked out with such scallest senses; it Essergentials. is aiready being worked out with such excellent success in Essex county, as described in a recent issue of Farm and Dairy, will have far-reaching effects in interesting the children in farm work and in better farming methods.

I would suggest that there should be a referee at Montreal who under stands cheese quality, who will graduate cheese and trace a bad product access and trace a bad product source. This will displess some who are making bad cheese but it will be of benefit to the industry as a whole.

—R. A. Pringle, Royal Cheese Commission.

(15)

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the way home from school.

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Farm and Dairy Peterboro, Ont.





HELPING word to one in trouble is often like a switch on a railroad track—an inch between wreck and smooth-rolling prosperity.—H. W. Beecher, . . .

Rose of Old Harpeth

By MARIA THOMPSON DAVIESS "Copyright, 1912, The Bobbs-Merrill Company"

CHAPTER VIII UNCLE TUCKER'S TORCH.

ND how do you do, Mr. Crab-tree? Glad to see you, suh, glad to see you again! How Sweetbriar? Any new voters is all Sweetbriar? is all Sweetbriar? Any new voters since young Tucker, or a poem or so in the Rucker family? And are you succeeding in keeping the peace with Mrs. Plunkett for young Bob?? And firing this votley of questions through the gently agitated smile-evil the Honorable Gideon Newsome stood in the door of the store, large-looming and localize. jocular.

"Well, howdy, howdy, Senator, come right in and have a chair in the door-breeze!" exclaimed Mr. Crabtree as he turned to beam a welcome on the me surned to beam a welcome on the Senator from behind the counter where he was filling kerosene cans. "We ain't seen you in most a month of Sundays, and I'm sure glad you lit in passing again."

'I never just light

"I never just light in passing Sweetbriar, friend Crabtree," answer-Sweetbriar, friend Crabtree," answered the senator impressively. "I start every journey with a stop at Sweetbriar in view, and it seems a long time until I make the haven I assure you, suh. And now for the news. You say my friend, Mrs. Plunkett, is enjoying her usual good health and spirits?"

Well, not to say enjoying of things in general, but it do seem she has got just a little mite of spirit back along of this here bully-ragging of Bob and Louisa Helen. She come over here yesterday and stood by the counter upwards of an hour before I could persuade her to be easy in her mind about letting Bob take that frizzling over to Providence to a ice-cream festival Mis' Mayberry was a-having for the church carpet benefit last night. After I told her I would put up early, and me and her could jog over in my buggy along behind th flippets to see no foolishness were heing carried on, she took it more easy, and it looked like onct and a while on the road she most come to the point on the road she most come to the point of enjoying her own self. But I reck-on I'm just fooling myself by think-ing that though," and Mr. Crabtree eyed the Senator with pathetic eagereyed the Senator with pathetic eager-ness to be assured that he was not self-deceived at this slight advance up the steep ascent of his road of true

"Not a bit of doubt in my mind she enjoyed it greatly, suh, greatly, and I consider the cause of diverting her grief has advanced a hundred cent. by her consuting to go at all.

Did any of the other Sweetbriar
friends avail themselves of the Providence invitation — Miss Rose Mary and er-any of the other young people

"No, Miss Rose Mary didn't want to go, though Mr. Rucker woulder liked to hitch up the wagon and take her and Mis' Rucker and the children.

(Continued from last week) She have been mighty quiet like since Mr. Everett left us, though she'd never let anybody lack the heartening of that smile of hern no matter how tetched with lonesome she was herself. When the letters come I just can't wait to finish sorting the rest, but I run with hers to her, like Sniffle brings sticks back to Stonie Jaskson when he throws them in the bushes."

answered Mr. Crabtree with an anxanswered Mr. Crabtree with an anxious look coming into his kind eyes. "I somehow felt sure he would scratch up oil or some kind of pay truck out there in the fields of the Briars. I shipped a whole box of sand and gravel for him according to a telegram he sent me just last week and I had sorter got my hopes up for a find specially as the wife of the same find specially as the same find special same find specially as the same find special same find specially same find s I had sorter got my hopes up for a find, specially as that young city fel-low came out here and dug another bag full outen the same place not any time after that. He had a map with him, and I thought he might be a friend of Mr. Mark's and asked him, friend of Mr. Mark's and asked him, but he didn't answer; never rested to light a pipe, even, so I never found out about him. I reckon he was just fooling around and I hadn't oughter hoped on such a light ration."
"When was it that the man came and prospected?" asked the Senator "it a suite plant soming into his

and prospected?" asked the Senator with a quick gleam coming into his ugly eyes and the smile veil took on another layer of density, while his hand trembled slightly as he lighted

hand trembled slightly as he lighted his cigar.

"Oh, about a week ago," answered Mr. Teabree. "But I ain't got no hopes now for Mr. Tucker and the folks from him. We'll all just have to find some way to help them out when the bad time comes."

"The way will be provided, friend Crabtree," answered the Senator in an oily tone of voice, but which held

A Farms Competition Winner at home with his family

Readers of Farm and Dairy are here introduced to Mr. and Mrs. J. W. Logan, the state of Farm and Dairy are here introduced to Mr. and Mrs. J. W. Logan, the state of the state

"Ahm-er-do they come often?" asked the Senator in a casual voice, but his eyes narrowed in their slits

and the veil became impenetrable.
"Oh, about every day or two," "Oh, about every day or two," an-swered the unconsciously gossipy little bachelor. "Looks like the whole fam-ily have missed him, too. Miss Viney has been in bed off and on ever since he left, and Miss Amandy has tooken a bad cold in her right ear and has a bad cold in her right ear and has had to keep her head wrapped up all the time. Mr. Tucker's mighty busy a-trying to figure out how to crop the farm like Mr. Mark laid aff on a map for him to do—but he ain't got the strength now to even get a part of it down. If Miss Ross My part of it done. If Miss Rose Mary weren't strong and bendy as a hickory saplin couldn't prop up all them old

"Yes," answered the Senator in one of his most judicial and dulcet tones as he eyed the little backelorin a calculating way as if deciding whether to take him into his confidence, "what you say of Mr. Alloway's being too old to farm his land with a profit is true. I have come this time to talk things over with him and—er—Miss Rose Mary. Did I understand you to say our friend Everett is still in New York? Hav you heard of his having any intention of returning to Sweetbriar any time soon?" answered the Senator in ing to Sweetbriar any time soon?"

"No, I haven't heard tell of his coming back at all, and I'm mighty sorry and disappointed some, too,"

nevertheless a decided note of excitenevertheless a decided note of excitement. "Do you know where I can find Mr. Alloway? I think I will go have a business talk with him now." And in a few minutes the Senator was striding as rapidly as his ponderosity would allow up Provi-dence Road, leaving the garrulous little storekeeper totally unconscious of the fuse he had lighted for the firing of the mine so long dreaded by his

Well now, Crabbie, don't bust out "Well now, Craonic, don't bust out and cry into them dried apples jest to swell the price, for Mis' Rucker will ketch you sure when she comes to buy 'em for to-morrow's turnovers," came in the long drawl of the poet as he dawdled into the door and flung the rusty mail-sack down on to the countrusty mail-sack down on to the count-er in front of Mr. Crabtree. 'They ain't a thing in that sack 'cept Miss Rose Mary's letter, and he must make a light kind of love from the heft of it. I most let it drop offen the sad-dle as I jogged along, only I'm a sen-sitive kind of cupid and the buckle of the bag hit that place on my knee got sleep-walking last week while I was thinking up that verse that 'de spair' wouldn't rhyme with 'hair' in for me. Want me to waft this here missive over to the milk-house to her and kinder pledge his good digestion and such in a glass of her buttermilk?

"No, I wisht you would stay here in the store for me while I take it

over to her myself. I've got some kind of business with her for a few min-utes," answered Mr. Crabtree as he searched out the solitary letter started to the door with it. "So that new keg of maple drip behind the door there. The cracker box is open," he added by way of compensation to the poet for the loss of the butter-

The imagination of all true lovers is easily exercised about matters per taining to the tender passion, and taining to the tender passion, and though Mr. Crabtree had never in his life received such a letter he divined instantly that it should be delivered promptly by a messenger whose mercury wings should scarcely pause in agitating the air of arrival and departure. And suiting his actions to parture. And suiting his actions to his instinct he whitled the avelope across the spring stream to the table by Rose Mary's side with the aim of one of the little god's own arrows and retreated before her greeting and invitation to enter should tempt him.

"Honey drip and women folks is weet jest about the same and they sweet lest about the same and they both stick some when you're got your full of 'em at the time," philosophiz-ed the poet as he wiped his mouth with the back of his hand.

"Say, Crabbie, don't tell Mis' Rucker I have come home yet, please. want to go out and lay down in the barn on the hay and see if I can get that 'hair-despair' tangle straightener She hasn't seen me to tell me things for two hours or more and I know I won't get no thinking done this day if I don't make the barn 'fore she spies me." And with furtire steps and eyes he left the store and veered in a round-about way toward the barn.

And over in the milk-house Rose Mary stood in the long shaft of golden light that came across the valler and fell through the door, it would and fell through the door, it would seem, just to throw a glow over the wide sheets of closely written paper. Rose Mary had been pale as ab worked, and her deep eyes had been filled with a very gentle sadness which lighted with flash as she opened the envelope and began to read.

"Just a line, Rose girl, before I put out the light and go in a dream hunt for you," Everett wrote in his square for you," Everett wrote in his square black letters. "The day has been long and I feel as if I had been drawn ou still longer. I'm tired, I'm hungrand there's no balm of Gilead in New York. I can't eat because there are no cornmeal muffins in this how are no cornmeal mumns in this housing wilderness of houses, streets, people and noise. I can't drink becaus something awful rises in my threat when I see cream or buttermilk, and which I see cream or outcomins, ass sassarcak doesn't interest me any more. I would be glad to lap out of one of your crocks with Sniffie and the

one on you.

wee dogs.

"And most of all I'm tired to see
you. I want to tell you how hard! am working, and that I don't seem to be able to make some of these stapid old gold backs see things my way, even if I do show it to them co-ered with a haze of yellow pay dust. But they shall—and that's my vor

"I wish I could kneel down by y "I wish I could kneel down by your rocking-chair with Stonie and bur Uncle Tucker chant that atturt about the hollow of His hand." Is any of that true, Rose Mamie, and are you true and is Aunt Viney as well could be expected, considering its length of my absence? I've got the little Bilb book with Miss Amandh' blush rose pressed in it, and I put my hand to my breast-cocket so often it hand to my breast-pocket so often to be sure it is there and some other things-letter things-that the hear and friction of them and the has combined have brought out a great patch of prickly heat right over my heart in this sizzling weather.

(To be continued.)

May 29, ****** The U

Passasses. Trust a

One of the v n our language is the key-note singing year to year, from day to day ing the outlook appointments, t ing, the clearer my cheering me When, perhap to be one of i wonder what d

coming, and I thankful heart,

Sometimes heavy bereavem stunned and he joy. Those are and the birds & were no sorr Heavenly Fathe minor key perha becomes a part of minor tone is e

joyful one. We must trust obedience to peri We must trust to

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heavy bereavement, the heart is too stunned and heavy to ever think of joy. Those are the days, when one wonders how the sun can ever shine and the birds sing, just as if there were no sorrow-breaking hearts. Then is the time, trust in our loving Heavenly Father is the song; in a minor key perhaps, for many a day, but which as we sing it and ropeat it, becomes a part of our very being, un-til the hour does come, when the minor tone is changed again into. minor tone is changed again into a joyful one.

We must trust when called upon for We must trust when cannot upon for obedience to perform some duty, from which we shrink with a great dread. We must trust to be able to do it joy-

Trust and Obedience

One of the words of most meaning in our language is "trust." To me it is the key-note of a glad joyous refrain, singing and resinging from year to year, from week to week from day to day. The more discouraging the outlook, the keener the disappointments, the harder the suffering, the clearer and more insistent is my cheering melody of comfort.

When, perhaps, a day has seemed to be one of failures and trials, I stoomer what delightful surprise is coming, and I can say with a full thankful heart, I am never disappointed. Sometimes in the face of sore heavy becavement, the heart is too sunned and heavy to ever think of surprise are the days, when one in the face of surprise are the days, when one in the face of surprise are the days, when one discourage, and the surprise is coming, and I can say with a full thankful heart, I am never disappointed. Sometimes in the face of sore heavy becavement, the heart is too sunned and heavy to ever think of the control of the

We may not at all see how we can accomplish the task, but as he trusted the way would be shown, we can know definitely that as each difficulty in our problem confronts us, we will be granted the necessary wisdom to solve it.

He knew that the journey at times would be full of difficulties and dangers, but he also knew he would be granted strength to be ar them. So

bleasing." The sweetness of obedience is unbittered if we obey for the sake of the reward, but some page encouraged the very act of many encouraged that every act of more will-have its results. They will have its results. They will have its results. They will have the results ways be what we long for, what we strive for, what we expect; we may not live to see them in this life; but we can trust, with our whole souls, that in our obedience we will be blessed.—I. H. N.

Finding the Silver Lining Printing the Silver Lining
Drudgery is only a state of mind,
caused by lack of objective. To be
sure sometimes the easier, happier
day looks far away, yet there surely
is one somewhere. If it seems that
your lot is harder than that of any
one else find out why. There must
surely be a reason somewhere. If would be full of difficulties and dangers, below the support of its harder than that of any granted suggest to bear them. So one else find out why. There must dry waste is neither especially offensate we know control of the support of the support

a victorious charge.

Officii obedience requires not the I hardly think so. People are simply doing of some glorious task, but the petty, sometimes distasteful, tasks of everyday life. For these also the necessary strength is forthcoming.

Abram was encouraged by a rich provided gle so confidently in mother's arms, grow independent and our arms are grow independent and our arms are empty and we want them back. Drudgery is a habit, a bad one, and it needs more fighting than any thing else. Fighting it successfully is go-ing to make our lives and the lives of everyone else infinitely happier. — Farmers? Review Farmers' Review.



"What's flour gluten, Bud?" "It's what makes your dough rise, Rose."

"Yes"—she encouraged. Added Bud very sagely:

"Makes it rise in the mixer and expand "in the oven. It's the elastic part of "flour—absorbs all the water and milk "—and things."

Rose grew interested. "FIVE ROSES, said Bud, is exceedingly rich in gluten. I s'pose because it's all made "from Manitoba wheat. Takes up a lot "more water - makes those fat loaves -

"lasts longer too." "Saves money, doesn't it?" asked Rose. Bud in a big voice:
"The fat loaf makes the fat pocketbook." Use FIVE ROSES always. And Rose said YES.

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Not Blended

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Vanoouver August 25th. Vessel remains 44 days at Hong Kong. "Rate
maintenance between arrival time in
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Flowers for the Busy Woman Ella F. Flanders

For the busy woman who loves flowers and has time to cultivate only few, the gladiolus is one of the most satisfactory I have ever grown. The mixed collections now sent out by many florists may be obtained at very moderate cost and often comprise many of our very best varieties. From the collection I received last summer the collection I received last summer, scarcely any two proved to be alike and all were of the loveliest shades and colors. I planted them in rich loamy soil directly in the flower garden (did not sprout them in the h as I used to think I must do) and they as I used to think I must do) and they bloomed in August. When taking up the bulbs in the fall I found each one had doubled, so for this spring I am well supplied. When taking up

well supptied.

Many years ago a leading florist
sent me two bulbs for trial of a variety
he had just introduced — the Golden
Scottre, and for wonderful beauty I
have never seen its superior. The
two bulbs increased rapidly and all
through the years I have given to my
friends and reserved for myself quantities of them favorities. tities of these favorites.

By labeling the bulbs as to colors

one may have a bed of various shades which may be made very artistic. Sweet alyssum is one of the daintiest of border plants. It comes quickly into bloom from seed and lasts from early summer until severe frosts. . . .

The Fireless Cooker

Warm summer weather will soon be with us again and with it will come the usual strain on the housewife of doing her work in a hot kitchen and over a hot stove. It is now possible, however, for almost every farmer's wife to minimize the amount of fuel used in cooking and therefore do away with a hot kitchen to a great

extent, by the use of a fireless cooker.

The fireless cooker which now has an accepted place in such a large percentage of city homes has advantages just as great for the farm home. There are many of these cookers now on the market that can be bought at a very reasonable figure, especially the single cookers or those intended the single cookers or those means of the for only one cooking vessel. Such a one will afford an opportunity to get acquainted with the cooker's possibilities and at the same time give a large amount of service. Too often the amount of service. Too often the fireless cooker is given only a half-trial and as a result only half does its work, and is then condemned as nice-sounding in theory, but not

HOME-MADE COOKER

One of these cookers can be successfully made at home if the fundamental range at home if the lundamental principle on which they are based is kept in mind. The principle is simple. Food which has been brought to a good boil over a hre is closed up an air-tight cover and placed in a box and completely surrounded with good boil over a fire is closed up with some non-conducting material like hay, sawdust, or asbestos, which holds the heat in. The heat thus imthe neat in. The neat thus imprisoned continues cooking the food.

A tightly-covered tin or granite can or bucket or a kettle, preferably without a handle, but having a tight cover, a wooden box with a hinged cover, and packing material, are the essential requirements for a home-made fireless

The packing box should be considerably larger, say three or four inches in every direction, than the vessel used for cooking. Line the bex with used for cooking. Line the bex with several thicknesses of paper, then fill with sweet clean hay, leaving a nest in the centre in which to put the vessel containing the food. Have plenty of hay under the vessel and make a cushion pad of hay to go on top. The space must be completely filled so that when the top is fastened dwn, the box will be tightly packed.

The food which is to be cooked in placed in the can or kettle and over the fire, where it is brough the boiling point and cooked short time-from two or three minutes (the time depends material and must be learned perience). It is then placed in ox, covered, and the lid shut light. The length of time for fire cooking is ordinarily the same when cooked on the stove. The er must not be opened until ready serve the food, though if it is son serve the food, though if it is so thing that requires very long cosk like a big roast or ham, or bal beans, it would be well to take and re-heat on the stove after th or four hours and return to the cook er for several hours longer. The sec cess of a cooker lies in having it pad ed tight to exclude all air, having the od boiling hard when put in, at food boning closing up quickly to escape of heat. quickly to prevent and

Let the Boys Help

Why is it that boys are allowed to sit in the house doing nothing while their over-worked mother is struggling against nature and fate to do half the work waiting for her hand Only the other day we saw three lar Only the other day we saw three larg able-bodied boys, lounging about the house, not knowing what to do with themselves, while mother, alone tire and pale, was trying to do the wor



Beautiful Lawn Decoration urse Miss Betty Howell, the vo member of the Galt Horticultural is here the main attraction. The ful rockery may offer a suggressome for home beautifying

for a large family and company. a boy to help about the house? not? Is there anything about ing dishes that will injure him, about making the beds, or sweep or setting the table, or washing. ironing, or cooking a plain meal victuals? On the contrary, there too much to benefit him in such we the most important of which is gain the idea that it is not manly let the weaker "vessel" carry all burdens, when it is possible for str hands to work.

Most boys would gladly help in it house if they were asked to do a and were taught how to do the we properly. Many a smart boy was to help his tired mother, but it doesn't know how, beyond bringing wood and water. wood and water. This done she thim to go and play while she pl wearily on. Not a boy's work? It is positive harm to shame! sname! It is positive harm to it moral character to allow him to this it is right to be idle, while mother struggling under her burdens. It the boys help, and those who cal get help "for love or money" will se troubles disappear Wester their Farmer.

May 29. Simpler P Mrs. W. M

the warm sur eral hours ev er in a hot ki ing dishes for These exactin however, that would only st

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WHOLESON Some readers policy might h ing in the city farms must havin order to ke Fortunately, w plain food and try people have city dwellers. I table and are the farm. The different ways have not mentiurally expect to once a day she for hard work weather. I try tables in the sin favor salads qu are easily prep suitable for the

I am a believe plain and east housewife who will see just ho out in her own

> A Uti By Rose

An oil-cloth handy upon occa over any other a sures them from The real oil of th ly in front, and much washing e

To make an eyard of white the diagonally, and Then from one c fold round out ure. This gives comes well down over the hipes, form a good pr ment underneath bound or cut out about the waist. from the remai braid loops may

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Simpler Preparation of Food Mrs. W. Mitchell, Wentworth Co., Ont.

Too many women there are who in the warm summer weather spend several hours every day over a hot stove or in a hot kitchen preparing appetizing dishes for their husbands and children. These dishes would please the most exacting persons. I believe, the warm summer weather spend sevmost exacting persons. I believe, however, that if many of these women however, that it many of these women seams and no re-would only stop to consider the ques-tion, they would come to realize that gingham apron, they are wearing themselves out, it either side out.

which the bib may be pinned in place without injuring the oil-cloth. Such an apron lasts indefinitely, it

Such an apron lasts indefinitely, it may be wiped with a damp cloth and so be easily cleaned, requires no ironing, looks plenty good enough for kitchen wear and saves much work, as well as considerable wear on other

Another useful hint regarding aprons is to make them with flat seams and no raw edges. Then there will be no right or wrong side to a gingham apron, and it may be worn

they are wearing incenseives out, it either side out.

May be slowly but nevertheless surely. A coat-hanger makes an ideal hange.

I can sympathize with the woman er for large bib or sack aprons, keeps who spends so much time in the prethem free from folds and wrinkles,

NOWHERE is a woman's character more clearly shown, or her talents given more scope for cultivation than in home her talents given more scope for cultivation than in home making, and in no sphere is the true woman more content and happier than in housekeeping. Home is indeed the "dearest place" on earth when rightly made, and the memory of which remains with us until death, and will do more to protect and restrain its inmates than the grandest and most eloquent sermons from the most gifted ministers and orators. In short, home is the kindergarten of all Christiah work and influence, the starting point of beautiful thoughts and deeds.

Service de la constitución de la paration of the meals, as I have come and shows one at once the number and through the mill and know all about it. Some years ago, however, when selection may be made.—Farm and attending an Institute meeting, I Fireside. suddenly came to my senses while list-ening to an address given by one of

the Institute speakers on more simple preparation of food in warm weather. I resolved then and there that if at all possible I was going to conserve my strength in this regard henceforth WHOLESOME FOOD NECESSARY

Some readers may exclaim: "That policy might hold good for people livpointy might noid good for people hy-ing in the city, but the men on our farms must have good wholesome food in order to keep up their strength." Fortunately, wholesome food may be plain food and here is where we counplain food and here is where we country people have the advantage of our city dwellers. Bread and butter, eggs, milk, fruit and vegetables are all palatable and are nearly all produced on the farm. These can be propared in different ways to form a variety. I have not mentioned meat, but we naturally expect to have more at the way. urally expect to have meat, although once a day should be sufficient even for hard working men in the hot weather. I try to prepare my vege-tables in the simplest way possible and favor salads quite frequently as they are easily prepared and particularly suitable for the warm days.

I am a believer in plenty of nourish-ing food in hot weather, but let it be plain and easily prepared. Every housewife who considers this question will see just how this can be carried out in her own household.

. . . A Utility Apron

By Rose Seelye-Miller,

An oil-cloth apron comes in very handy upon occasions. It may be tied over any other apron or dress, and in-sures them from being wet or soiled. sures them from sening wer to some.
The real oil of the apron comes directly in front, and if this could be saved much washing could also be saved.

To make an oil-cloth apron, get a yard of white table oil-cloth, fold it.

diagonally, and cut it exactly square. Then from one corner of the diagonal Then from one corner of the diagonal fold cound out a piece to fit the figure. This gives a pointed apron that cames well down in front and shorter over the hipes, but large enough to down a good protection to any garment underneath. The edges may be bound or cut out with a pinking-iron. A brail binds the part which goes about the waist. A bib may be cut from the remaining oil-cloth, and brail binds the part which goes about the waist. A bib may be cut from the remaining oil-cloth, and brail loops may be sewed thereto, by

The Value of Shade Trees Mrs. W. McCrae, Essex Co., Ont.

Can anyone imagine a nicer drive on a summer's day than along a coun-try road lined on either side with rows of stately shade trees? It cerrows or stately shade trees. It certainly is a pleasing picture and by no means an impossible one in any community. We are quite proud of our

munity. We are quite proud of our shade trees in this community, al-though we realize that there is still much room for improvement.

I believe that the Women's Insti-tutes in the various districts can do much towards beautifying their surroundings. We women are usually credited with having a greater appre-ciation of the beautiful than the men. Still we must have the assistance of the men if we are to accomplish any-thing and we have found that the men in our neighborhood are quite men in our neignborhood are quite willing to help to carry out any pro-ject that we suggest of they consider it will be beneficial to the commun-ity. The ladies in our Institute startity. The ladies in our Institute started an agitation a few years ago to have more shade trees. The men soon became interested, especially in fixing their individual homes. Then we had trees planted around the churches and What can present such a appearance as a school or church without a tree near it? These trees are now growing nicely and we feel well repaid for our labors in the improvement that has been made.

There is always plenty of work for the Women's Institute if the members the women's instructe if the memoria are willing workers. And I believe that it is in doing such work as en-deavoring to make country life pleasant and keeping away as far as possible from the idea that such a life is dull or monotonous, that a Women's Institute may become a power for good in any neighborhood.

...

A saucer of vinegar if placed on the stove while cabbage is boiling, will prevent the unpleasant odor going through the house.

...

Bind a piece of old blanket round the top roller of mangle. No buttons will then break, and the clothes will be equeezed much drier than usual—a great boon in winter. The rollers, too, will last longer, as they cannot, possibly crack nor wear away so soon.



When Drugs Fail to **Cure Constipation**

Thousands of sufferers from Constipa tion and all its attendant ills, strive along from day to day, vainly endeavoring to shake off their affliction by the use of drugs. In the end they are still sufferers and what is more they are slaves to the drug habit. If only these people could learn for themselves how truly efficient Dr. Charles A. Tyrrell's J. B. Cascade treatment is for afflictions of this kind they would shorten their sufferings by many days and soon know again the joy of stalwart, perfect health.

If one of these sufferers who has been cured by the Cascade could speak to you personally he would in the greatest en-thusiasm talk to you as Mr. E. Nighs-wander, of Green River, Ontario, writes: For years I have been troubled with constipation, ulcers in the bowels and piles, which all the money and doctors only seemed to relieve temporarily. The J. B. L. Cascade has completely cured these troubles and I feel it a duty I owe to my fellowmen to endorse the Cascade in the very highest terms. No amount of money could estimate the value it has been to me. No home should be without a Cas-

Over 300,000 people now use the J. B. L. Cascade. Write Dr. Tyrrell to-day. He will be glad to send you his free book, 'Why Man of To-day is Only 50 Per Cent Efficient," and full particulars if you will address him. Charles A. Tyrrell, M.D., Room 671-8, 280 College St., Toronto, Ont.





Capable Old Country Domestics

Parties arriving April 21st and 28th, and weekly after

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



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Any person who is the sole head of a family or any male over 18 years old, may homestead a quarter section of family by any male over 18 years old, may homestead a quarter section of salakatchewan, or Albend in Manitoba. The section of the salakatchewan, or Albend in Manitoba. The salakatchewan, or Albend in Manitoba. The salakatchewan, or Albend in Salakatchewan, or Albend in Salakatchewan, or Salakat

The Call of the North

Do you know of the many advantages that New Ontario, with its Millions of Period Acute, offers to the prospective Acute, offers to the prospective Acute, offers to the prospective Acute, offers and these rich arrientural lands, obtainable free and at a nominal cost, are afready producing a cost, are afready producing to the world? For literature descriptive of this great territory, and for investigations, southern raise, etc., write to

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To Manitoba, Saskatchewan, Alberta

Each Tuesday until October 28 inclusive WINNIPEG AND RETURN835.00 EDMONTON AND RETURN843.00 Proportionate low rates to other points. Return limit two months.

points. Return limit two months.
Through Pullman Tourist Sleeping cars are operated to Winniped without the first operation of the property of

HOLSTEINS

Herd | "KING SEGIS PIETERTJE" Sires "FINDERN KING MAY FAYNE" ed by Meyrs, Findern, N

The dams of these two sires average over 32 ibs for 7 days, official test. Get your next young bull from my herd—best by test. One anima or carload lots (Farm only 40 = ods from station Write, L. H. LIPSITT, Straffordville, Ont.
Proprietor, Forest Ridge Holstein



HOLSTEIN BULLS

2 Bulls. rising 2 yrs., grand-sons of Pontiac Korndyke, and 3 rising 1 yr. old from

Also Bull and Heifer Calves. Females, WM. HIGGINSON, INKERMAN, ONT.

HOLSTEINS FOR SALE

2 Good Korndyke Bulls left, aske 1932
Calrac which will complete our last lot of Calrac which will complete our last lot of are doing nicely. We have 15 extra good grade helfers for sale. This lot is nicely marked and in fine condition. Will fresh from now on. Come and see them! FIERHELLER BRCS., MT. ELGIN, ONT. Bell 'Phone 167 R. 12. C.P.R. Station-

LAKESIDE DAIRY AND STOCK FARM

Present offering, Bull Calves from Record of Performance dams; also a few females.

W. P. BELL, BRITTANNIA MEIGHTS, ONT Ottawa Bell 'Phone.

CAMPBELLTOWN HOLSTEINS

CAMPDELLIUMI MULDIEINO
This week we ofer Bull Calf, horn April
2st, 1913. A dandy, nearly white in color.
Sired by the great young bull. Korndyke
Veeman Pontine, and out of a good daughter of our old herd bull, fill mercena
Abbekerk, who now has 9 A. H. O., daughters, one of them over 255 as a a threeters, one of them over 255 as a to three
R. J. KELLY, - TILLSOBBURG, ONT.
R. J. KELLY, - TILLSOBBURG, ONT.

CLOVERLEA HERD

We raised Griselda, the cow recently old for \$3000.00. The highest priced loistein cow ever sold in Canada. The blood that sells is the blood that

JOHN J. TANNAHILL

North Star Holsteins

Bulls ready for service, from R. O. M. dams, sired by a son of Natore De Kol 4th, record of \$3.12 lbs. in 7 days, lost lbs. in 30 days, and nearly 21 lbs. in 7 cereord in Canda.

Also Females, any age, excepting heifer calvage.

calves.
J. W. STEWART, . . LYN, ONT.

LAKEVIEW HOLSTEINS

We are now testing some of the daughters of Count Hengeweid Fayno De Kol. and they are ranning from 10% he will help a counting from 10% he will here call to 80 he will be a count of the will be a county owner bulls from those before with order to make room. They are sired by Jutchiand Colanthe Sir Mona. Onne to the farm and see the dame of these the farm of the county of the c

You Can Sell

Your pure bred cattle, any surplus stock you have, by advertising in these columns of Farm and Dairy. We take you next upwards of 11,000 possible buyers, and at a cost very surplus of this great service— only 51.60 per inch.

Send your advertisement to-day for next issue.

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MOBE ABOUT GRACILAND HOLSTEINS
feltor, Farm and Dalry—Our Dundortion herd sire is Veeman Result foundartion herd sire is Veeman Result foundartion herd sire is Veeman Result for the conlamported in dam. He is sired by Prince
hautty Piet Hartog who now has nearly
records of 15 to 50 pounds. Prince Resulty
Piet Hartog is a son of a world's champroced of 15 to 50 pounds. On Imade. 27
pounds and the first one to make 27
pounds and the first one to make 27
pounds. A C. daughters. Including
Results Pieterge Butter King who has
many A. R. O. daughters. Including
seven daughters that at an average age
of two years and seven months have
Pieterge, 803 pounds, the dam of R. P. It
King, has a daughter and granddaughter
stuff precede of 30 pounds. She is the beet
her six daughters held the world's recordthe dam of veeman Beautty Hartog is
pound's of butter? It days der freshening.
She was by King Veeman DeKol. sire of
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swith six A. R. O. daughters having records up on
of Blanche Lorons Johanna. 322 pounds.
whose dam hold a world's record. herself
and four daughters averaging 5340 pounds

investment, and will yield the Association 5% per cent interest.

SEMI-OFFICIAL RECORDS OF HOLSTEIN-FRIESIAN COWS. ARCEI I TO APRIL 30 (Continued from Last week) 204.1, 58 (1998) 1998. [In the continued from Last week) 204.1, 1981.2 lbs. milk, 401.3 lbs. fats, 562.37 lbs. butter. Owner: H. F. Patterson, Alford Junetion, Ont. 1998. [In the continued from Last Society In the Continued from Last S

bonds and the control of the control

Ont.
6. Minnie May of Ormond, 9257, 3y, 94d.;
10,446.2 lbs. milk, 349 23 lbs. fat. 436.54 lbs. butter. Owner: S. G. Carlyle, Chesterville, Ont.



Another Study in the Correct Thing in Holstein Type

"Duchoss Bouted De Kof." 2007, here shown, is owned by the Colony Farm at Goguttlam, British Columbia. In 7 days she made a butter record of 25 M lbs: milk, 793 lbs: best day's milk, April lb, 166 lbs. The Section of 25 M lbs: might strong type of this cow and her great beauty. You want, Note the exceeding the columbia of the section of the columbia of the columbia admire the splendid shapely udder, the well-placed teats and the wonderful religing on the udder, and the milk veins, whichshow so strongly.

admire the solid shapely under, the work of the control of the solid shapely under, the milk of the solid shapely the solid shapely the solid shapely shapely

HOLSTEIN FUNDS INVESTED
The Holstein-riesian Association of
Canada. whose business is in a highly
prosperous condition, reconfly invested
over \$4,000 in bonds of the town of Waterloo, Ont. This is regarded as a very safe

7. Vrouka Beryl, 16467, 5y 69d.; 10,717.96 Dos. milk. 333.72 lbs. fat. 447.53 lbs. butter. Dos. B. Alliven, Dumbar, Ont. S. Lecker, S. Lecker,

Two Year Class

1. Spink's August Daisy, 12303, 2y, 113d.; 15,776.25 lbs. milh. 461.74 lbs. fat. 52.19 lbs. butter. Owner: H. F. Patterson, Aller 2. Marte Dontiac Korndyke, 12482, 2y, 7d.; 2825.5 lbs. milk, 3648 lbs. fat. 4649 lbs. butter. Owner: C. E. Smith, Scotland, Ont.

Selfis Diss milk, seres its butter. Owner: C. E. Smith, Scotland, Ont Muttan Friend Frontier Nicolo, 15,287, 1504, 1937; I.s. milk, 53,25 lbs. fat, 59,44 lbs. butter warmen, Solar Mark Selfis Selfis

er: O. R. Dyke, Armitego, Ont.

5. Johanna Julianna Ion, 1377, 17 556-1,

5. Johanna Julianna Ion, 1377, 17 556-1,

5121.5 lbs. milk, 262.22 lbs. fat, 352.78 lbs.

butter. Owner: S. M. Peacock, Mounts

Salem, Ont.

5. Butter Queen Hida. 12301, 17 556-1,

5. Butter Queen Hida. 12301, 17 556-1,

5. Butter Queen Hida. 12301, 17 556-1,

5. Butter, Owner: H. F. Patterson, Alford

7. Kuperus Pontian Walker, 1548, 79

341, 581.5 b milk. 279.8 lbs. fat, 35.66 lbs.

butter. Gwner: O. E. Smith. Scotland.

6. B. D. Marfower 1624.

8. D. P. Marflower 16741, " 334d.; 8011 lbs. milk. 2697 lbs fat. 35; lbs butter. Owner: John J. Tannahill. White Station,

In the three-year-old class an excellent showing is made, Lady May Baroness with 72-11 bb. butter, and Wordland Queen De Kol with 7145 lbs. butter both exceeding any previous Canadlen record in this class.

REMOVED THE PROUD FLESH

And Healed The Wound With **But Three Applications**

You could not have a better proof of the value of Egyptian Liniment than a given by the experience of Mr. O. A. Holden, of Montreal, as given in his

"My pony received a deep cut acr the back of her leg below the hock loss After trying several remedies, with any beneficial results, I was induced After trying any beneficial results, I was induced any beneficial results, I was induced any beneficial results, I was induced by the Douglas' Egyptian Liniment. Fred feech had formed the size of a hickey nut. After three applications it was not irrely heated, which I consider marveley as a small artery had been cut. which is a six of the substantial substan

disturbed.
"I cheerfully recommend Egyptian Lin-ment to all horsemen."
The way Douglas Egyptian Linimus cleans out and heals a festering wounds

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YORKSHIRE PIGS. all ages, either an Choice Young Boars, fit for service. Ale Sows of all ages, bred and heavy with pig.—H. C. Benfield, Woodstock, Ont.

FOR SALE-2 Sons of King Fayne Sept Clothilde, from R. O. P. cows. Also the Clyde Fillies and J Stallions, Yearling R. M. Holtby, Manchester, Ont.

HOLSTEINS—Young stock for sale Size by Imperial Pauline De Kol, whose paearest dams average 26.20 lbs. butter in 7 days.—R. W. Walker, Utica, Ont.

HOLSTEINS

LYNDEN HERD

High Teeting Holsteine for sale on Bull, 1 year old. Sire's dam Luin disselbred, butlet, 7 days. Dam a right bred, untested 5-year-old. Price, 865, is bred, untested 5-year-old. Price set and 1 year of the price o

S. LEMON. . . LYNDEN. ON

HOLSTEINS Two Holstein Bulk

Fifteen months old, one from a twest one-pound cow. Good individuals. R. F. HICKS. NEWTON BROOK, YORK CL.



Ourvilla Holstein Herd Bulls of servicesble age all sold. If you want them from here we wait advise you to buy young. Only we Cofantha Sir Abbekirk and from If caires left. Both are by Dutchaid and 23.06 lbs. 4 year-olds. Grand in yidnals 4 months old.

LAIDLAW BROS. Aylmer. Ost.

OXFORD DISTRICT

The Holland of North America Is the place to buy Holsteins of qualit. The Third annual sale will be held in the dity of Woodstock on March. 5th. H. Full list of breeders in the Oxic... Dism with pest office and station addresses so on application to:

R. J. KELLY, SECY., TILLSONRURG OF

MAI

nto, Mond er has he There is g, but the Tory yet in evidence.
is the tightness
Borrowers conti tate secu. 7 per cen has been

money has been not often.

A feature of the resumption dealers on this already noted in dealers insisted that for their v 60 day draft. The promised on a stoo is being sold this basis.

this basis.

Wheat prices at the conditions the conditions the sale, however, speculators consistent the conditions there is a great prices are the low last year. Quota Northern, 9%;e: 1 all wheat, & Go AF There is little tyrain market, Wholess, the condition of the condition o

MIL Millers seem to of their feed. Man to \$17; shorts to at the same figure to \$23. Montreal \$17 to \$12; shorts, dlings, \$24 to \$25.

The damage for

The demand for stronger. For low is dull. No. 1 ba. No. 2, 89 to 810; straw. \$8 to 88.50, a premium in Mon ies are a drug to \$14.50; No. 2,

POTATOES There may be a city after all. Pri bo a city after all. Pri bo a bag in the bowerer, are abundity is not expected bring 66c to 75c ax to 95c. No searcity where Green Moun any quantity at 60 rarieties at 40c to 5 Beans here are o

kers are worth \$
EGGS AN
teady prices for mark for t ders are buying option and storag retailing on the to 24c Montrea coming in freely

Butter has loosenee at the last week as r as the increase. It is not the increase in the last week as r index in combination in the last few and i Butter has loosened the last week as r

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leavy horses are cipidly than early in em going for city day drafters bring rpose horses, \$200 rses, \$175 to \$225; rviceably sound, \$35 LIVE S

Moderate receipts, or leady demand, have bronto Stock Yards. savy export cattle, er

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MARKET REVIEW AND FORECAST

Teronto, Monday, May 26.—Recent cool wealther has had the effect of checking the state of the continue in cool of wealther has had the effect of checking the state of the collection of t

bana here are quoted at 226 to \$250 the hand picked. At Montreal three-pools three-pools

record for a bull not 8 years old and used only on the control of the control of

Tamworths For Sale

Boar, ten months old Boar, six months old Four Sows, six months old A Number of Pigs, two months old-Write for prices.
DUNCAN MACVANNEL, ST. MARY'S ONT.

JERSEYS

FOR SALE, PURE BRED

(21)

JERSEY MALE CALF JEMSEY MALE CALF
One month old, solid color, black tongue
and switch, Dam. Prides Pauline: grand
and switch, Dam. Prides Pauline: grand
This is a beautiful circ. Lady's 3019 Don.
This is a beautiful circ. Lady's 3019 Don.
great milker. Will ship fo.b. for \$33.86. if
great milker. Will ship fo.b. for \$33.86. if
strength of the price of the
family. Reference: Merchantis Ram
family. Reference: Merchantis Ram
canadian Bank of Ommerce, 88. Thomas.
38 TALBOT \$1. A. BUITEL.
38 TALBOT \$1. ST. HOMAS. ONTARIO

AYRSHIRES

TANGLEWYLD AYRSHIRES

The High-testing herd Average test—22 cows—4.44 per cent butter-fat. Choicely bred Young Bulls and Bull Calves by Royal Star of Bonnie Brae, a son of the champion R.O.P. butter-fat cow. Eileen—655.48 lbs. fat, and from YO.D. damp son of the champion K.O.P. butter-lat cow, Elleen-653-68 bs. fat, and from R.O.P. dams. If you want high-class Ayrshires write or come and see write or come and see WOODDISSE BROS. ROTHSAY, ONT. G.T.R. Sta. and 'Phone con. Drayton



Heifers, different ages, cheap for quick sale J. O'Connor, Campbellford, Ont. Woodland Stock Farm

AYRSHIRE CATTLE AND YORKSHIRE PIGS Affishiff Galilla And TunkShiff Pills
For Salo-Armhire Caives and Bulk,
fit for service. Yorkers 1860. All the
above are from first stock Send
in orders now, with instructions re
abipment later. Apply
BON. W. OWERS, Pres., ex 2022ET SINTON, Mas.
Riverside Farm, Meste Bello, Que.

Burnside Ayrshires

Winners in the show ring and dairy tests. Animals of both serce, Imported or Canadian bred, for sale. Long distance Phone in house. R. R. NESS. HOWICK, QUE.

SUNNYSIDE AYRSHIRES

SUNNYSIDE AYRBPHRES
Imported and Home-bred, are of the
choicest breeding of grout Ups and have
been selected for profit Ups and have
been selected for profit Ups and have
been selected for profit Ups and have
Young Bulls dropped this fall, THERE
Young Bulls dropped this fall, THERE
Young Bulls dropped this fall, THERE
Young Hall Good-time "3-6,644—Luny",
as well as a few females of various sees,
for sale. Write or come and see.

J. W. LOGAN, Howick Station
J. W. LOGAN, Howick Station
J. Danna J. Manay

('Phone in house.)

LAKESIDE AYRSHIRES

We are offering a number of fine Young Bulls of different ages, sired by "Barche eskle Cheerful Boy" (Imp.) No. Baff's entered in of them are from dams already entered in of them are from dams already entered in a number of the others are at present un-der test for the others are at present un-der test for the control of Performance.

LAKESIDE FARM, PHILIPSBURG, QUE, GEO, H. MONTGOMERY, Prop. 164 St. James St., Montreal

Ayrshires and Clydesdales

SECOND ANNUAL SALE

Under the auspices of the District of Beauharnois Live Stock Breeders Association, will be held at

Ormstown, Que., June 20th

In connection with the Annual Show, June 18th, 19th and 20th.

100 Ayrshires (75% Imported) 10 Clydesdales

Our first sale was the event of 1912. Watch us make good for 1913; our standard is just one notch higher. All Cattle Tuberculin tested.

Catalogues ready June 1st.

GEO. J. BRYSON, Secy. ORMSTOWN, QUE. We are now offering Bull Calves from 1 month to 7 months old. All are from official record dams and sired by some of of the greatest bulls in Canada.

Brown Bros., Lyn, Ont.

SPRING BROOK Holsteins and Tamworths

Herd headed by Six Korndyke Boom, one of the best sons of Pontiac Korndyke Dom, One of the best sons of Pontiac Korndyke. Dom, Patrick Korndyke Boom, Jr. 4-yr. 150 in 30 days. Average test, 48%, fait. This buil and his dam are both half-rise buil and his dam are both half-rise built and his dam are being half-rise built and half-rise built

BRESLAU. . WATERLOO CO., ONT.

HOLSTEINS

2 Young Bulls, 1 yr. old, also 4 Calves off 1913 from first-clase stock. Prices casy. We have to get more room for other stock. GEO. A. ROBERTSON, ALMONTE, ONT Line 2. Rural 'Phone.

Systematic Breeding Systematic Feeding Systematic Weeding Are among the factors that have built up a great herd of Holstein-Friesian cattle at Lynn River Stock Farm.

The herd is headed by KING SEGIS PONTIAC KONINGEN

One of the best bred and best individual bulls in Canada. We have for sale at reasonable prices a few Cows and Heifers bred to this bull.

Write your needs

J. ALEX WALLACE - SIMCOE, ONT.

RIVERVIEW HERD

9 Young Bulls, from 2 to 12 months, sired by King Isabella Walker, whose sister, 5 nearest officially tested dams, a sister of his dam, and two sisters of his sire average for the eight 30.34 lbs from R. O. M. and R. O. P. dams. P. J. SALLEY, LACHINE RAPIDS, QUE.

ELMDALE DAIRY HOLSTEINS FOR SALE—Two choice Bull Calves, light colored, sired by Paladin Ormsby, site of 10 R. O. M. daughters, 2-year-olds up to 20 lbs., and one 3-year-old. 23.80 lbs., butter in 7 days.

sired by Palasin Ormsoy, saic of 19 K. v. s., asugnities, 2-year-olds up to 20 lbs, and on 3-year-old, 20 lbl lbs, butter in 1 (3az, 10 lbs, butter), and the second of th

YOUNG COWS AND HEIFERS HOLSTEINS of different ages

Safe in oaif to a son of the great bull De Koi the End's Butter Boy the 3rd.
Also Yearling Heifers, and Heifer and Bull Calves for spring delivery. Write for prices.
W. W. GEORGE, CRAMPTON, ONT.

Avondale Stock Farm

Avondale Stock Farm

A. C. HARDY, PROPRIETOR.

Primes BERERD SPIRS 228 (Saler).

Sirs, Pietle 27nd Woodgreet Lad.

John, Princess Hengervid De Rol,

Highest record daughter of Hengervid

King Pontine Artis Canada, 18,821 (72,284)

Sirs, King of the Pontines.

Dam, Pontine Artis, 51.7 lbs. butter 7

Daughters of Rendervid De Rol,

We are offering bulls from these great stress and high record dams, and also a limited number of cover in ead to them.

Address all correspondence to De. LORNE LORNE LORNE LORNE RECEVILLE

*********** **OUR FARMERS' CLUB** \$ Correspondence Invited

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ONTARIO

TELORA, May 17—Gool weather has had the effect of checking growth to some extent, but nearly all the grain is through a state of the control of the

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MANUETTE DIST. MAN.

KLADE MADDETTE DIST. MAN.

KLADE M

SZ a cwt. for milk at the station. Esses are selling at E.—L. J. N.

NEW CANADAN RECORD.

Netherland Fafort, No. 14/96, owned by W. Cherry, Garnet, Ont., has established in Seventy of the Seventy of th

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Dispersion Sale

Holstein Friesian Registered Cattle The Property of

JOHN WILLIAMSON Lot 10, Con. 10, South Dorchester Half-mile East of Lyons, Ont.



WEDNESDAY, JUNE 4th, 1913 Beginning at 1.30 p.m. Sharp

The Farm can be reached by M.C.R. or G.T.R. to Aylmer, Ont., or M.C.R. to Springfield, Ont., from which accommodation will be arranged to meet purchasers on the arrival of trains and driven thence to the farm. Everything advertised to be sold, as proprietor has had poor health and giving up dairying.

SEND FOR CATALOGUE

Here Is Opportunity!!!

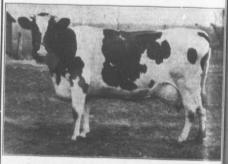
For you to change over to the very best and get away from inferior, ordinary and untried herd bulls



You can buy me—A Proven Sire. "I'm a WHOLE Herd"—Velstra Triumph.

YOU ARE SURE TO GAIN!!!

-Time, Money, Energy and Opportunity for Success by getting away from ordinary cows and getting the very best like Velstra Triumph De Kol as here shown below.



You can buy this profit-making, record-breaking Holstein cow

COME!! DISPERSION SALE

ON THURSDAY, JUNE 18th, 1915 and get into the Holstein breeding business right. The the GOD ones that make the money. See them at Evergreeners Parm with they Depose the Mamma and the roest of this great family of Holstein-Frieslan cattle. The seed time will be over. Your work will all be caught up. Take a day for this great sale and meet at the sale your fellow breeders and get the meet the sale of a great REEEDER'S herd. The sale of the Deletville. We'll be there to meet you and make you welcome. Say I Sin earl afford to miss THB one!

GEO. W. ANDERSON, Prop., ROSSMORE, Ont. NORMAN MONTGOMERY, Auctioneer G. A. BRETHEN, Sales Manager

May 29.

HOLSTE

Farm and of The Car Association, are readers of the Associations of inte for publication

All readers o ed in Holstein in the next is June 5. a spectfull double-pay page ad. while photographs as Dr. L. de L. H. Haley Bros.' H. Gordon S. Gorfarm. Bedford other important the issue that

PROGRESSIN

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HOLSTEIN-FRIESIAN NEWS

Farm and Dairy is the official organ of The Canadian Holstein-Friesian Associatios, all of whose members are readers of the paper. Members of the Association are invited to send jume of interest to Holstein breeders for publication in this column.

All readers of Farm and Dairy, interested in Holsteins, will take special delight in the next issue of Farm and Dairy, annot a special number, because of two pages of two pag

the issue that will be of unusual interest.

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It was the pleasure of one of the editors of Farm and Dairy last week to spend an of Farm and Dairy last week to spend an arrivateck, Ontan of Mr. Mock got his nay black and white eatile. He has been stylic before the particular of the particular took and the

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RECORDS AND PHOTOGRAPHS WANTED

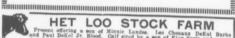
EVERGREEN STOCK FARM

High Class Registered Holsteins

We find that we have more stock than we have pasture for and have decided to Offer For Sale :

- 4 Three-year-old Cows, 3 milking and 1 to calve in June.
- 2 Two-year-old Cows, milking and I to calve in June.
 2 Two-year-old Cows, milking.
 5 Heiler Calves, from I month to nine months.
 1 Bull Calf. 6 months old from a 15th 2 year-old whose dam is the champion milking four-year-old cow in Canada. 101.3 lbs milk I day.
- 1 Bull Caif. 6 months old, from a 22½-lb, 5yr.-old.
 1 Bull Caif. 4 months old, whose dam is a daughter of Calamity Starlight Butter Girl, grand champion in milk test at Guelph at 3 years of age. These bull calves are all sired by Prince Abbekerk Mercena, whose daughters are equal to the best produced in Canada to-day.
- The above cattle are all good individuals and will be sold worth the money. Terms to suit the purchasers.

A. E. HULET, R. R. No. 2, NORWICH, ONT. Bell Phone in h



HET LOO STOCK FARM

Present offering a son of Minnie Landes. Les Chenaux DeKol Burke and Paul DeKol Jr. Blood. Calf sired by a son of King Segis and out of daughter of Paul Beets. Write for price.

HET LOO STOCK FARM, VAUDREUIL, QUE. Dr. L. de L. HARWOOD, Proprietor

GORDON H. MANHARD, Manager

FAIRVIEW FARMS HERD

Offers

Some of PONTIAD KOREDYER, ready for corrice in the near future or younger, some and dampher of RE JOHN COLLEGE OF COLLEGE

E. H. DOLLAR,

HEUVELTON,

NEW YORK

TELEGRAMS AND LETTERS FROM COAST TO COAST

Bedford Park, P.O., Ont. May 14th, 1913.

Chas. C. Nixon, Advt. Mgr. Farm and Dairy, Peterboro, Ont.

Dear Sir

It is only right that you should know of the telegrams and let-ters from coast to coast which came in to me asking me to re-serve those two bull calves as advertised recently in my space in Farm and Dairy.

I could not have you print them all, but the following are a

Summerside, P.E.I. March 17th, 1913. "Regarding the bull calf King Poullas Sprids, yn advertise in Farm and Dairy, if you have not already sold blin, will you guest to be tuberculn test? and healthy in every respect? And would you the tuberculn test? and healthy in every respect? And would you the tuberculn test? and at this time of year the weather is rather cold to ship and the route much longer than in May."—Leanor d. P. Pelecring.

CANADIAN PACIFIC NIGHT LETTERGRAM

Dewdney. B.C., May 9-13. "Send extended pedigree of calf advertised showing relationship to Spring Farm Pontiac Lass recording her latest performance. If I am antished with this settended pedigree, will wire each and you can express calf. Keep this open for me because it may mean new market for you."—dendroom.

A LETTER FOLLOWING ANOTHER TELEGRAM

Shubeneadel, N.S., May 5, 1913. "An ellegraphing this morning in order that I may not again be too late. You will kindly write at once lexing me know whether you have sold the bull call out of Mercena of the cash immediately on leaving from you if I am to have it."—W. L. Etter.

I have been criticised by some Hoistein breeders for selling those two but as to low a price, only \$150 each. They were easily worth \$300 each and more. I wanted them to go out as a real good advertment for the Manor Ferm, same as all the stuff I sell—priced reasonably so that it will make the buyer money.

While I price almost anythind I have in my herd I have not just at While I price almost anythind I have in my herd I have not just at the Fornitz of the price of the Prince Henderveld of the Fornitz of the Price of the Price of the Prince of the 4.153 lbs. butter in 7 days; 172 lbs. in 38 days, champlon Fornitz Lass, no wonder, she being a daughter of King of the Fornitzes, the greatest they ever known is now Siede To APPROVID COWS ONL.

GORDON S. GOODERHAM

The Manor Farm

Bedford Park, P.O., Ont.

95 AND UPWARD SENT ON TRIAL AMERICAN

only \$15.95. Skims one quart of milk a minute, warm or cold. Makes only \$15.95. Skims one quart of milk a minute, warm or cold. Makes him cream. Different from this picture, which illustrates our low priced acity machines. The bowl is a sanitary marvel and embodies all our

Our Twenty-Year Guarantee Protects You

high quality on all sizes and generous terms of lairy is large or small, do not fail to get our great offer. Our large on request, is the most complete, elaborate and expensive book on Cream Separators issued by any concern in the world.

Shipments made promptly from Winnipeg, Man., St. John, N. B., and Toronto, Ont.

AMFRICAN SEPARATOR CO., Box 1209 Bainbridge, N. Y.



Threshers' Steel Tank of fuel at too where traction engine is used.

Made of heavy galvaniz d steel. Built on Steel
Channel frame, strongly hoosed. This

"TWEED-MADE" TANK

STEEL TROUGH & MACHINE CO., LTD., 6 JAMES STREET, TWEED, ONT.



The wasteless way and the only profitable way to veal up or raise calves is to feed

Caldwell's Substitute Calf-Meal

It contains the same nutriment as whole milk and costs

It is vastly superior to Imported Calf-Meals for the simple reason that quality must be sacrificed to meet the heavy freight and duty charges.

Being situated right in the heart of our customers here in Dundas we have no long freight bills to allow for or duty to pay.

We mill all the grains used in making our Cream-Substitute on our own premises.

We use pure crushed Linseed (not cotton seed as competitors do) that accounts for the high percentage of fat in our product and the name "Cream-Substitute."

We only manufacture two products-

Caldwell's Molasses Meal for stock, and

Caldwell's Cream-Substitute Calf-Meal.

Both are guaranteed to the Canadian Government.

N. B .-- Ask your Feedman for our Cream-Substitute. Write and give us his name if he hasn't any in stock.

THE CALDWELL FEED CO., LTD., DUNDAS, ONT.

The Most Complete Line of Farm, Dairy and Cheese Factory Supplies in Canada The De Laval I

are handled SILOS

of dairy, creamery, cheese factory and farm supplies is by far the largest and most complete in Canada. Only equipment and supplies of the highest grade

Milk dealers, creamerymen, cheesemakers and dairy farmers must have modern equipment of the very best grade in order to secure the largest margin of profit and to maintain and hold the confidence of their customers.

Users of De Laval supplies and equipment are offered a higher grade product, insuring economical operation and better prices for their product.

We have just issued new and complete catalogs covering our various lines and we shall be pleased to mail you a catalog covering whatever supplies you may require. We have also issued a new cream separator catalog, illustrating and describing all the latest De Laval improvements. This is by

far the most attractive cream separator catalog ever printed and copy will gladly be mailed to any cow owner upon request.

De Laval Dairy Supply Co.

MONTREAL PETERBORO

WINNIPEG VANCOUVER

IMPORTED AYRSHIRE CATTLE John D. Duncan's Terran Bank Farm, Howick, Que.

WEDNESDAY, JUNE 4

(Sale commencing at 11 a.m.)

My entire herd of imported Ayr-shires will be sold at Public Auction without reserve or limit The herd comprises Females as follows

Six (6) four years and over Fourteen (14) three years of Twenty (20) two years old Eight (8) yearlings

Also my stock bull Lochfergus Young Marquis Three (3) young bulls, and Eight (8) heifer calves

In this lot will be found some of the best Ayrahires over aported into Canada,

Twenty (20) of them are at present competing in the Record of Performance Test, and some of them are making records that will be hard to beal.

They will be sold WITHOUT RESERVE, or limit. The RECORD OF EACH ONE will be given in the catalogue including time up to first of May.

The cattle will all be sold Subject to Tuberculin Test

This will be a rare chance to get something good in the best of Ayrshires these have been selected from nearly all of the best herds in Sootland. The catalogues will be ready for distribution about the 18th of Mar. ose wishing to procure a catalogue will please send their name and address to

DR. J. WATSON, HOWICK, QUE.



Conveyances will meet both trains to convey visitors to the farm on sale day.



JNO. D. DUNCAN, 218 Mountain St., MONTREAL, P.O.

JNO. D. DUTCAN, 210