Issued Each Week-Only One Dollar a Year

VOLUME XXVII

NUMBER 36

The CANADIAN DAIRYMAND FARMING WORLD

PETERBORO, ONT.

SEPTEMBER 23.



FREE RURAL MAIL DELIVERY FOR CANADIAN FARMERS

The Dominion Government has recently announced that it purposes introducing free rural delivery in Canada at an early date. The system at first will be confined to the mail routes, but before long it is certain to become general throughout the thickly-settled farming centres. This is a boon that The Canadian Dairyman and Farming World has long been advocating that our Canadian farmers should enjoy. The illustration above shows one of the rural mail carriers in the United States travelling light. It was secured by the special representative of The Canadian Dairy-man and Farming World who last fall visited the United States especially to look

into the question of free rural mail delivery and whose articles on this subject, as published last winter and spring, attracted wide attention. See article on page 3.

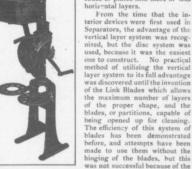
DEVOTED TO

BETTER FARMING AND SANADIAN GOUNTRY LIFE

You Should Know What's in the Bowl

Interior Bowl Devices, or Skimming Devices, as they are sometimes called, may be divided into two general classes, those in which the milk in the bowl is divided by vertical partitions, forming vertical layers, and those in which the milk is

divided by superposed discs, cones or plates into more or less



great difficulty in cleaning. If the lades were placed far enough apart to clean between, then the efficiency is sacrificed. If they were placed close enough together to get the efficiency, then they could not be cleaned.

When the Link Blades were invented, it removed both these difficulties, and immediately put the vertical layer system to the front, and that's where it is to-day. If you want to

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MONTREAL and OUEREC

WE HAVE A FEW VACANCIES FOR AGENTS IN UNREPRESENTED DISTRICTS



Cows Worth Keeping

Cows Worth Keeping
In three herds in the North Oxford,
Ont., cox testing association some
good records were made in the last
regular monthly test. One cow gave
1.340 lbs. milk, testing 3.1 per cent.
1.340 lbs. milk, testing 3.1 per cent.
1.341 lbs. milk, testing 3.1 per cent.
1.451 dbs. milk, testing 3.1 per cent.
1.452 dbs. milk, testing 3.1 per cent.
1.454 lbs. milk, testing 3.2 per cent.
1.454 lbs. milk, all of them test1.455 lbs. milk, all one and
1.455 lbs. milk, one went
1.455 lbs. milk, one
1.455 lbs. milk, In three herds in the North Oxford,

of it, half as many cows again to feed and milk and provide accommodation for, and yet receive no more income from! The work of these associations helps farmers to discover the cows that are worth keeping, and enables them to detect and dispose of the unprofitable summer, and winter, board-er.—C. F. W.

A Word of Caution

From one or two letters which we have received from our subscribers, it appears well to offer a word of caution regarding the use of Dr. Williams' Fly and Insect Destroye: as edvertised in our paper and about which we recently published several articles from satisfied users of this articles from saushed users of this preparation. Several who have pur-chased this remedy have applied it by means of a rag or a very coarse spray pump with the result that some thin-skinned animals have been blis-

Too much of this fly and insect des-Too much of this fly and insect destroyer must not be applied at one application as it is very strong. A very small quantity is all that is necessary to use and it must be applied in the form of a mist or spray. If it is put on in any other way, such as by a rag or brush or in a coarse spray, it will blister a thin-skinned horse or cow. When applied by means of a sprayer when applied by means of a sprayer in the fleets will be experienced. It is also necessary to shuke the contents no ill effects will be experienced. It is also necessary to shake the contents of the can thoroughly before using. Judging from the tone of the testimon-ials furnished us by many satisfied users of this preparation, it is a most satisfactory remedy for flies, and when applied properly, there is not the least danger to the health of the animals.

Small Beside Other Records

In a recent number of the Overseas Daily Mail, an English publication,

milk and 28.13 lbs. of butter in 7 days. milk and 28:13 lbs. of butter in 7 days. The record of this English cow appears small beside these two great performers. The English cow, reckoning from her record for one day, would have given 26 lbs. 2-1-2 ox. of butter in 7 days. This one cow of Brown Bros. gave 30:397 lbs. of butter in 7 days by actual test.

Rural Free Delivery

Rurai Free Deivery
Editor, The Canadian Dairyman and
Farming World:—Keep hammering
away at rural free delivery. When I
was in the old country I saw the benefits of rural free delivery and believe
that our farmers in the thickly setthat our farmers in the thickly setgreat boon. Once a should have this
great boon, once a should have this
must be a supplied to the set of the set of the
in the old country to realize what it
in the old country to realize what it

quickly the farmers receive their mail in the old country to realize whet it would mean to the farmers of data and to have similar advantages.

The population in Great Britain is more dense than it is in Canada, but still we have sections in Canada where farms are so near together it should be possible for our government to institute rural free delivery. Rural to institute rural free delivery. Rural man and Farming Word with Dairy and when it does The Strammer and Stramme man and Farming World will deserve great credit for what it has done to show the farmers the need for an im-provement in their mail facilities. —James Bowman, Guelph, Ont.

Items of Interest

A plucky young farmer near Aven-ing, Ont., after being knocked down by a bull recently, grabbed the bull by the ring in his nose and held him firmly until two neighbors came to his

A fire which might have developed into a serious conflagration in the North Ops cheese factory, Victoria County, Ont., was extinguished by means of whey. No water was near.

A pig which was recently buried recently for 50 days without food or drink in a straw stack on Frank Wilson's farm, Creek-road, Harwich, was unearthed alive and healthy. The curious part of it is that the hog gained five pounds in weight during the time it was buried.

time it was buried.

Some of the exhibitors at the Toronto exhibition kicked vigorously because Polled Angus cattle and Ayrshire cattle were mixed in one barn and Polled Angus and Jersey cattle in another barn. They contended that each of the different breeds should have been kept together.

The barn and stable, belonging to Mr. Geo. Bryant, Myrtle, near the new station, was recently burned to the ground. The unfortunate owner had just threshed. A large quantity of grain and over the state of the stat the ground. The unfortunate owner had just threshed. A Lerge quantity of grain and over \$150 worth of clover seed were destroyed. Two prize horses in the stable also were burned.

The Post Office Department at Ot-The Post Office Department at Ottawa is already at work giving effect to the announcement of the Hon, Rodolph Lemieux at Niagara Falls on Tuesday, September 15th, promising that free rural delivery would be promptly installed throughout Canada. Applications for the installation of mail boxes along mail routes are now pouring in at a great rate and Oxen the Canada of the Canada Canada

In a recent number of the Overzeas Daily Mail, an English publication, appears the record of a cow shown at the Tumbridge Wells and South East-ern Counties Exhibition. The cow referred to belonged to Measure. State the astonishing quantity of 7 lbs. 12 oz. of milk during 24 hours, this quantity being equivalent to more than seven and a half gallons of milk. This milk, it is stated was so rich in fat that the cream after separation produced 3 lbs. 3 l-2 oz. of butter.

This is surely a good record but recent that the cream after separation produced 3 lbs. 3 l-2 oz. of butter.

This is a long way but we Holstein cows owned by Brown Bros., Leeds County, Ontario, photos of which cows have of late appeared in our columns. These cows, the one, Sarah Jewel Hengerveld, the third, recently made the stupendous record of 30 lbs. of milk in one day, 640.1 lbs. of milk and 30.387 lbs. of butter in 7 days. The other, Sarah Jewel Hengerveld, gave 100.4 lbs. of milk in one day, 640.1 lbs. of milk and 30.387 lbs. of butter in 7 days. The other, Sarah Jewel Hengerveld, gave 100.4 lbs. of milk in one day, 685 lbs.

It is desirable to mention the name of this publication when writing to advertisers

Issued Each Week

a Year

AGRICULTURE, THE KEYSTONE OF CANADIAN PROSPERITY

Vol. XXVIII.

FOR WEEK ENDING SEPTEMBER 23, 1908

No. 45

WE ARE TO HAVE FREE RURAL MAIL DELIVERY

HEN The Canadian Dairyman and Farming World, last fall resentative to the United States to look into the question of free rural mail delivery it little thought that in less than a year the Canadian Government, would introduce the system in Canada. At that time Hon. Rodolph Lemieux, the Postmaster-general, informed our representative that he was opposed to the introduction of free rural ...ail delivery into Canada. He promised, however, to read with interest the articles on free rural mail delivery that we told him were to be published in The Canadian Dairyman and Farming World and stated that he was prepared to adopt suggestions from them Whether it is the articles that we published in The Canadian Dairyman and Farming World or the approaching elections, or both, that have led Hon. Mr. Lemeiux to change his mind it is interesting to learn that thousands of Canadian farmers are shortly to enjoy the benefits of free rural delivery.

In an address delivered recently at Niagara Falls, Ont., Hon. Mr. Lemieux announced that the mail drivers, who now carry the mail from railway centers to the small country post offices, are shortly to commence acting as rural mail carriers inasmuch as they will deliver mail to the farmers living along the roads they travel. Farmers living on side roads, not travelled by the mail carriers, will be allowed to place mail boxes at the junction of their side roads and the mail

roads. The mail carrier will then leave their mail in these boxes. This will save them the trouble of going longer distances to the post offices. The regulations under which this system is to be introduced will be announced snortly.

HON. MR. LEMIEUX'S ADDRESS

In the course of his remarks on this subject Hon. Mr. Lemieux, after explaining some of his former objections to the system said: "There is in store for Canada another great postal reform which is of particular interest to the farming community. I refer to that system known as the free rural mail delivery.

"This system, which is only an expansion of the letter delivery from the cities to the rural sections of the country ,has been in vogue for a long time in Great Britain, France and Germany. Now, lately, it was adopted by the United States. I have stated in the House of Commons that it was not possible for Canada at the present time to assume a similar burden, and my statement was based on the well-known fact that the conditions which would warrant rural delivery were thick populations and large revenues. Such is the case with Great Britain, with a population of forty-four millions and an area of 120,000 square miles, i.e., about the size of Ontario, with a x times the population of the whole Dominion.

"In the United States there is an area no larger than that of Canada to be served, but there is a population of eighty-three millions as against six here, and a postal revenue of one hundred and eighty-three millions against nine here.

"In other words with say an equal area, there is in the United States a population fourteen times as great as ours, and a revenue twenty times as great to bear the cost of the free rural mail delivery.

"Let it be remembered also that the United States only adopted the system when they had seventy million population and a postal revenue of over eighty millions.

A SPLENDID SYSTEM

"As I have often stated in Parliament, it is a splendid system, which I admire greatly, and which can be introduced step by step in Canada. For some two or three years, acting under my instructions, the officers of the department have been studying the main features of rural free delivery as operated in the United States, with a view to, if possible, the introduction of a scheme in accordance with our revenue, population and physical conditions.

"Towards that end the Post Office Department has evolved a scheme of rural free delivery and collection from the present system of stage routes, whereby the rural population of the country may be able to receive and post all ordinary mail matter at their doors, instead of having to drive from two to three miles to the nearest post office for that purpose.

"I have therefore determined with the consent of my colleagues, to equip all existing mail routes in Canada with rural delivery boxes, under reg-



Now that Free Rural Mail Delivery is to be introduced in Canada, Free Rural Mail Carriers are likely soon to become a Familiar Sight.

The special representative of The Canadian Dairyana and Farming World, who visited the United States last fall, to study the free rural mail delivery system found that the cost of the service was not nearly as great as our Canadian farmers had been led to believe. On the other hand, the benefits of the service were we farmers much that the cost of the service was a previously lost in going for their mail. It can be serviced and untied in praising it. It was found that free rural delivery saved the increased the value of farms and added to the comfort of the people. The above illustration was secured by our representative while he was in the United States it shows the mail carriers in a large form in one of the northern states, lust as they were about to start on their rounds. The Canadian Dair-man and Farming mail delivery is an actuality. Mr. George Ross, Chief Superintendent of Poot Offices, it is a present large with a route in Westworth Co. On. It is especied this owner is not to the route of the control of

ulations to be published and enforced shortly at the junction of every concession line with the main road. The people will also be given the privilege of having boxes located for the receipt and collection of their mail as desired

WILL BE INTRODUCED IMMEDIATELY

"The department has made all arrangements for the carrying out of the scheme and will at once proceed to inaugurate it. This system of rural mail delivery can be introduced at a cost which the country can afford to pay. It will evolve and expand gradually, with the growth and development of Canada, and at a ratio of cost that will not prove burdensome. It is, on the whole, a great postal reform which will be hailed."

WHAT MR. LEMIEUX SAID BEFORE

When our representative interviewed Hon. Rodolph Lemieux on this subject, in his office in Ottawa last October, he found that Hon. Mr. Lemieux was opposed at that time to the introduction of free rural mail delivery into Canada. Speaking to our representative, he said:

'The two great objections I see to the introduction of free rural mail delivery, are first, the great expense; and, second, the difficulty of knowing what to do with our thinly populated rural sections. Such sections would be quick to demand a similar service. What for instance, would we do with my own constituency of Gaspe, or with the people on the Labrador coast or those in such sections as North Pontiac, Quebec? Once free rural mail delivery was introduced in this country the people in those and similar districts would demand the service. To attempt to give it to them would be impracticable.

"Free rural mail delivery might prove a success in such sections as Norfolk and Essex Counties, Ontario. They are gridironed with railways, and thickly populated. We must, however, always remember the sparsely settled sections.

IN SYMPATHY WITH THE MOVEMENT

My sympathies are with this movement for free rural delivery. Before we can introduce this system, however, we must decide, first, if it is practical, and, second, if our farmers can stand the immense expense it would involve. I am ready to be enlightened on these points and will read with interest the articles that are to be published in The Canadian Dairyman and Farming World, and will be open to reecive suggestions from them."

DESERVES CREDIT

It is fortunate for the farmer of Canada that the Government has changed its views on this subject. The Government is to be congratulated upon the announcement that it has made. After our farmers once find what free rural mail delivery means to them they will wonder why they did not demand it several years ago.

How to Train a Collie Dog

T. R. James, Middlesex Co., Ont.

A dog can be made a most useful animal on the farm. A good collie dog properly trained will save its owner many steps in getting the stock from the fields and in helping in many other ways. The great majority of farm dogs are a nuisance rather than a benefit to their owners. In too many cases this is more the fault of their master than of the dog. One cannot expect any common bred cur to become a good shepherd dog. One must start right and with a pure bred pup of that breed that has been bred for generations for this purpose. Such a pup when properly trained will pay handsomely for the time spent on him.

A large amount of patience and considerable time is required to properly train a dog. He should not be taught too much at once. Training once begun should be kept up until it has been learned thoroughly. One of the first things to teach a dog is to come promptly when called. While teaching him this he should know that he is to obey. If he is favored with a kindly pat or a bit of meat, he will understand more readily.

A dog that will drive cattle by running to their heads is of little use. He must be taught to drive stock at the heel. When teaching him to drive stock keep him at your side while you do the driving. He will thus get accustomed to driving at the heel. Make sure that this habit is well formed before you undertake to teach the dog to turn stock to the right or left. With an over anxious dog it is well to use a rope on him as a restraint. In this way he can be kept from hurrying the stock too fast. Teach the dog to drive slowly and when older he will get the cows from the lot without hurrying or exciting them. One should always be careful not to allow a vicious animal to turn upon the dog while in training. Such will most surely teach him to run to the head when driving. A little time spent upon a good pup while he is young will be richly rewarded later when you have a dog that is a source of profit and pleasure instead of a nuis-

Saddle Horse

Notwithstanding the fact that horse-back exercise is not very much in vogue in the rural districts yet in our larger towns and cities it is practised to such an extent as to insure a reliable



Is Your Binder Sheltered?

Is Your Sinder Sheltered?

During the past few weeks, we have seen man binders left in fence corners of solds in which the had last been used. Large sums of money are annually expended for new machinery by those who leave their implements, especially binders, exposed to the elements, as the above binder was when photographe by our special representative. Such expenditures could be largely reduced by housing all machinery undersuitable inheiter.

market for good saddle horses. The English Thoroughbred is the breed on which we have to depend for the best horses in this class. We rarely or never find a really high-class saddle horse which has not a good strong dash of this breed in his make-up.

As a rule in the breeding of any class of horse the more highly bred he is the more valuable he is likely to be. In the case of the saddle horse, however, we often find the grade animal more valuable than one more highly bred. However, the grade horse is never more valuable simply because he is a grade, but because he is much more likely to have substance and weight-carrying ability than is the more highly bred animal. The man who weighs about 140 lbs. may enjoy the luxury of riding a thoroughbred, but the man who rides at 200 lbs., or over and requires a mount that will weigh 1,100 or 1,200 lbs., has as a rule to content himself with a grade horse because of the difficulty he will experience in getting a highly bred horse up to his weight.

A large proportion of the brood mares of the country are animals of mixed breeding. Many of them would class as general purpose animals. Sometimes a farmer is at a loss to know just what breed of stallion to select to mate with such mares. In case such a farmer wishes to breed to some of the lighter classes he is not likely to make any selection that will give him better sults at the first cross than to choose a good, big, strong Thoroughbred. Many very high-class saddle horses (more especially hunters), have been produced along this line of breeding. Care, however, should be taken to see that the brood mare is not of a draughty type, as a cross between the draught horse and the Thoroughbred is too violent, and is not usually attended with good results.

Also in the selection of a Thoroughbred sire, care should be exercised to choose a big strong horse with sufficient weight of bone below the knee and back, and one that will weigh at the least 1,200 pounds. Such a sire will be very likely to produce first-class saddle horses, if mated with a reasonably good mare, even though she may be deficient in breeding .- "Centaur."

We must Depend Upon the Average Cow

G. E. Caldwell, Carleton Co., Ont.

Possibly there is a trace of that egotism, which after all is one of the mainstays of life, in the idea that what we raise is better than the pro-duct raised by the other fellow. I have known those who would not eat a morsel of butter when away from home; but to the most of us all good butter tastes well. I have generally found it more difficult to safely buy one horse than to buy half a dozen cows.

In a recent issue of The Dairyman and Farming World, W. F. S. raises the question of calfraising as regards the dairy farmer. For the man who sends his milk to the cheese or butter factory, or who makes butter at home, I quite agree with him, though like all rules there may be profitable exceptions. For the man who supplies the city trade, either wholesale or retail, the rearing of calves is quite out of the question. There is a type of cow which I have in mind, we might call her, broadly, Canadian, and these years that is no mean name, which can be bought for from \$45 to \$60, according to the season. Such will give good average results. Record breakers are very good, but like geniuses they are scarce.

HE MUST COUNT ON AVERAGES

The contractor who is going to build a railway or dig a canal must count on the average type of tumanity. If he figures on doing the work by Sampsons or Louis Cyrs, he is going to be woefully disappointed. And this is just what some dairymen are looking for.

If two fair priced, fair looking cows will turn a given amount of feed into milk, why should we grow old before our time in the quest of one which will do the same? The cost of the one, no matter how she is acquired will certainly equal that of the two. The chance of total loss by death or udder injury is greater. The increased pleasure of owning is balanced by the extra care and anxiety called for. What then, would I arrest the march of progress? By no means. There will always be geniuses for breeding and feeding and they will have their reward. But I would cheer the man who may be discouraged with the good average cow. By all means destroy in some way the culls; but between them and the "wonders the great body of milkers stand and they are and for years must be the backbone of Canadian dairying. They will respond to and pay for good treatment the year around.

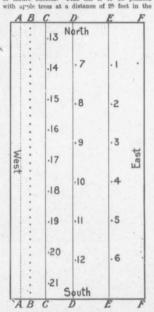
USRLESS WITHOUT PROPER ATTENTION

The best engine ever built must have fuel and water, oil and care, to give results. The farmer who can not get good results from the average Canadian cow had better leave the more expensive animals to some one else. Each particular situation needs its own consideration. The man who starts out to copy his neighbor is likely to come to grief. But we can all adapt the ideas we gain from others to our own special needs. If I were at a distance from city markets I would try a very different kind of farming from that which I follow, and I think with just as reasonable chance of success. The corner stone of farming is the production of good crops. Dairying fosters this. hence the profitableness. But we must not put the cart before the horse, and in our attention to the machinery for refining the gross products of the farm we must not forget the fundamentals.

How to Plant a Family Orchard in Eastern Quebec

J. C. Chapais, 'Ass't Dominion Dairy Commissioner, St. Denis, Oue.

(Concluted from tast uccels)
In the outline of the orchard given in the
accompanying diagram, the line FF, which is
the eastern limit of the orchard, must, in most
cases, excepting only these where the site offers
a natural shelter against eastern winds, be made
a hedge placed at three feet, one from the other,
and not longer than 20 inches in growth, in order
to insure success. Line EE is to be planted



rows and between the rows. The same thing ir to be done with line DD. Line CC will be planted with plum and cherry trees. This line is placed at a distance of 20 feet from line DD and the trees in it also at a distance of 20 feet one from the other. The next line, BB, is at a distance of 10 feet from this last one, and is to be planted with small fruit bushes placed five feet apart in the row. Lastly, the dotted line AA is planted with strawberries, the plants being placed 18 inches apart in the row, and the row being five feet from the one planted with small fruit bushes.

Here is the most important part of the present paper, since the selection of varieties is chiefly the key to success:

In line EE are to be planted, at the points marked 1 and 2, Yeilow-Transparent apple trees, at 3 and 4, Low Land Raspberry, and at 5 and 6, Duchess.

In line DD, at points 7 and 8, should be planted Alexander, at 9 and 10 Fameuse, and at 11 and 12 Wealthy.

In line CC are to be planted, at points 13 and 14. Plum trees of the Blue Dawson variety, at 15 and 16, Reine Claude de Montmorency, and at 17, one Early-yellow.

In the same line CC, at points marked 18 and 19, should be planted two Early-Richmond, and at points 20 and 21, two Montmorency cherry trees. Line BB is to receive 36 bushes of small fruit, being composed of nine Daumueg Gooseberries, nine Fay's Prolific red currants, nine black champion currants and nine Marlborough red raspberries. The last line Ad, will be a row of 120 Sharpless and Williams Strawberry plants. We would advise farmers to plant another piece of land by itself in those varieties of small fruit.

I have only two remarks to make in explanation of two points aliuded to in the present paper. The first one is about the selection of varieties. All the varieties of fruit mentioned have been subjected to experimental culture during the last 20 years in many localities in the eastern section of the province of Quebec, and have always proved satisfactory. It is to be hoped that a similar paper for the western part of the province will be given by those who have had experience in that section.

The second remark is about the distance apart to plant apple trees. I can but repeat what I wrote in another of my lectures on that subject: 'we have already advocated to never have more than 25 feet between the trees in the row." Now, we know that 40 feet generally is the indicated distance. We found that under our severe climate they must be planted close together, in order to offer protection against the heavy, damp winds of our region. We are often told that when planted as close as that, they soon intermingle their branches, prevent the fruit from getting enough air and light and are an obstacle to the cultivation and spraying of the orchard. To this we answer that there is so much difference between our climate and that of the west of our province that none of those disadvantages of close planting are to be feared. We have seen in the County of Essex in Ontario, an orchard of 20 years' plantation where the trees set 40 feet apart and had all their branches intermingled, so that not a ray of sun could reach the ground. We have seen around Montreal a few orchards planted in the same way for 20 years, in which the trees were not yet intermingling their branches. Then will be experienced in obtaining satisfactory results. Take an interest in the work, see how straight you can plow. Teach the boys how to plow. The old adage that more grain will grow on a croked furrow than on a straight furrow is a poor incentive and will not conduce to build up a reputation for you as a model farmer. Plow the back field as carefully as you do the field joining the road, and see to it that your land is plowed in such a manner that strangers passing your farm will be attracted by its neatness. It is a chean at efficient way in which to advertise.

Good plowing is profitable. If a fair crop can be obtained from poor plowing, a better crop car. be obtained from good plowing. There are many features to be taken into consideration if good plowing is to be done. In the first place you must select a good plow, that is, one which will do the proper work in your soil. If your soil is loa ny, and requires to be turned flat, choose a plow with a good width of share, a board with plenty of turning capacity, a high beam which will enable you to use a jointer when plowing under green or coarse manure, and sufficient length of handles to enable you to handle the plow with ease while at work. If the soil is heavy and inclined to cement choose a narrow plow, one that will set the soil up and give a good harrowige, and with sufficient press to the board to place the furrow over so that it will not fall back.

TWO-FURROWED PLOWS ARE POPULAR

In the last few years a great many of the more progressive farmers of Ontario have adopted the two-furrow plow, some makes of which are first class implements and will do just as good work as can be done with a single furrow walking plow. Of the two-furrow plows there are the walking and riding styles, either of which is profitable to the farmer as a labor-saver. In choosing a two-furrow plow care should be exercised in its selection as before mentioned, and also see that your dealer dees not pan off an over-grown gang-plow dealer dees not pan off an over-grown gang-plow



Prize Winners in an Interesting Class.

The graded herds of Ayrshires at the Canadian National Exhibition, made one of the grandest displays in the cattle section. A graded herd consisted of one buil, any age; two cows, over three years; two-year-old helfer; yearling helfer, and helfer call. The herd tillustrated, owned by R. R. Ness, of howich, Queboe, work

we have in our own orchard, on good, rich, and well drained land; trees planted for 20 years, 25 feet apart, having yet no intermingling branches. This shows the great difference there is in the growth of trees under different climate. Let western people plant their apple trees 45 feet apart, but let us plant ours 25 feet. Both systems are beneficial where they are needed.

The Art of Plowing

Claud Mitchell, Brant Co., Ont.

Plowing is an art. With a great many farmers it is a lost art. Far too few of our younger generation of farmers have learned the art of plowing. One sees repeated evidences of the little interest taken in this important farm work.

Many attribute this lack of interest in plowing to the advent of the two-furrow and machine plow. In using machine plows it is first necessary to become acquainted with the workings of the plow in order to be thoroughly conversant with it when in operation. Then little or no difficulty on you. See that you get a plow built on proper lines, one that will do its work properly in your land. The same applies to a riding plow. There are several makes of these which are as good as single-furrow plows, but there are only a few really good two-furrow riding plows.

In operating a two-furrow plow, lay out your field systematically in lands of a uniform width, set up stakes to start the land, and adjust the plow to let the front plow cut a shallow furrow and the rear one nearly the depth you intend plowing the field. The next time have the front furrow just heavy enough to nicely cover the first furrow turned. By striking the land in this manner you will have a crown of sufficient height, and it will give the land the proper slope. Then plow the land down to one green furrow. In finishing take this furrow with the front plow and at the same time take out the sole furrow with the rear plow. If this method is followed no difficulty need be experienced in doing a first-class jcb of plowing with a two-furrowed plow.

The Western Fair

The Western Fair Association, London, Ont., held its 41st annual exhibition last week. It was one of the most successful in a series of successmost successful in a series of successful shows extending over a long period. This association was organized in 1868 and incorporated in 1887, and has been doing an actual business ever since. London is in the heart of one of the best agricultural sections of Ontario and its fair drains largely from the farming community. Farmers turned out in large numbers this



PERFECTION Seed & Grain Separator The best and latest mill for Cleaning and Grading all kinds of Seed and Grain.

THE TEMPLIN MFG. CO., FERCUS, ONTARIO

WARRINER'S CHAIN NCHION



orking and general countries in ada, and shipped subject to trial in your own and for booklet to WALLACE B. CRUMB.

FARM PROPERTIES WANTED

Parties having farms for sale may send particulars of same to the Pro-vincial Bureau of Colonization for information of prospective buyers from Great Pirtialn and elsewhere. The Bureau will not act as a broker for the sale of properties, but will direct buyers to the owner or agent of the properties.

THOS. SOUTHWORTH

HON. NELSON MONTEITH

| year and made the attendance a record one. All departments of the exhibition were very well filled. In agricultural products there was a fine diaplay of good quality in vegc. ables and grains. The fruit exhibit was ahead of last year, with the quality puts up of good quality in vegc. ables and grains. The fruit exhibit was ahead of last year, with the quality puts up of good quality in vegc. ables and grains. The fruit exhibit was ahead of last year, with the quality puts up of good quality in vegc. ables and show this year than last.

LIVE STOCK

There were over 1,000 entries in all in live stock, nearly all the classes being filled and some of them, notably dairy cattle and sheep sections, putting up the best show seen at this fair in many years. London is always strong in light horses, and this year was no exception to the rule. The classes were well filled, with many of excellent quality facing the judges. Horse racing, or as some would term it, the speed events, were a little nore exciting than usual to those interested, as many green horses tested their provess on the half-mile track. The Haekneys made a good show, Out, naving their Toronto winners out. Other leading winners were Hamilton & Hawthorne, Simoce, S. J. Prouse, Ingersoll; T. A. Cox, Brantford; J. McPherson, Campbelton; Alex. Duncanson, Dutton, and M. MoWilliams, Dutton, and M. Mo

get a place at Toronto.

DAIRY CATTLE

The dairy cattle exhibit at the Western Fair was not only the chief attraction in the cattle department being much larger than the beef department, but it was in point of quality perhaps the best exhibit of dairy cattle that has ever been brought together on the London fair grounds. The continuous control of the control of th

out a few head in good shape. In the maturer sections Hunter's herd won the best of the honors, winning both sweepstakes prizes, while in calves bred by exhibitor, Hume & Co. won bred by exhibitor, Hume & Co. won out upon nice quality stuff. Stuart & Son, Dyment and Harris won the balance in the order named, upon good quality stock, but which was not as highly fitted as the two former herds. Wm. McKee, Norwich, judged the attention of the state of the s the Ayrshires.

the Ayrshires.

SWINE

Most of the Toront. exhibit of swine came to London to fight ever exhibit, comfortably filling the pens. The Yorkshires were shown by the same parties as at Toronto, viz., D. C. Flatt & Son, Millgrove; Jos. Featherstone & Son, Streetwille, and Jas. Wilson and Son, Fergus, and H. T. McDairmid, Fingal. The winnings were practically the same as at Toronto period of the prizes. Lerkshires were also well brought out by Thos. Teasdale, Coveroit; T. A. Cox, Brantford, and Cooper & Nephews, Berkhampsted, Eng., all of which showed at Toronto. Several changes were made, however, in the placings from what they were at Toronto. In aged boars, Teasdale won Toronto, with a massive amooth topped fellow that was favored by many for first place at Toronto. Transder is a most in the proper of the prize of the control of the prize of the pr

Wright, Glanworth. The former leading in most sections.

Other breeds, brought together Polands and Durces, shown by C. E. Smith, Scotland; Essex, by Jos. Featherstone & Sco, and ifam-shires, a belted breed, shown by Artemus O'Neil, Birr & Hastings Bros., Cross-hill, between which the premiums were fairly evenly divided. The judges were as follows: Yorkshires, A. C. Hallman, Breslav, Berkshires, S. Tames other, F. R. Shore, White Cak; other distinct breeds, F. R. Shore, White Oak; Chesters, D. G. Flatt, Millgrove. Millgrove.

The sheep pens at London were comfortably filled with as good a lot as ever graced them. There was keen competition in all classes excepting Lincolns, which were shown solely by J. T. Gibson, Denfield. Oxfords were shown by Henry Arkell, Arkell, Ont. Both of these exhibitors were prepared to meet the best. Cotwolds were out much stronger than usual, both in shown by E. F. Park, Burford; John Rawlings, Forest; T. Hardy Shore, Glanworth, each of which got a goodly share of the plums.

Hampshires had more competition

pretty well cut up between the three former herds. McKenzie winning sweepstakes on bull, while Bull & Sons won on female. Wm. Humpidge placed the winners. Some new exhibitors came forward with Holsteins and brought along with them some surprises. They were Dunkin & Hulet, Norwich, and E. harman with granten of the important prizes the sweepstakes for best female any age, while G. W. Clemons, St. George, won on the bull. Dunkin & Hulet showed their ability to keep pace with the others in capturing ribbons throughout the different sections. C. E. Smith won 1st on 2-year-old bull and 2nd on bull calf. They were judged by H. Bollert, Cassel, Ont. The most sensational exhibit was the Ayrshires, shown by Robt. Hunter & Sons, Maxville: R. Hume & Co., Menie; Wm. Stewart & Son, Menkey, N. Won as named in the long-woolled Dyment, Clappison, and Frank H. (lass, with Telfer & Harding won Harris, a new exhibitor, who brought) on short wools in a strong class.

WON ALL PRIZES

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customers won all the prizes, except only one,

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THE GRIMM M'F'G COMPANY

58 WELLINGTON STREET, MONTREAL

desirable to mention the name of this publication when writing to adver-

Beef Cattle a'. Toronto

The Shorthorns were as usual the feature of the beer cattle exhibit. The entry in this class alone was nearly entry. In this class alone was nearly 200 greater than last yet and the dis-play made was a credit to the breed. Mr. D. D. Flatt, Hamilton, placed the awards. No judge in recent years did his work better or gave more general satisfaction. He was consistent throughout, selecting a type and fol-

satisfaction. He was consistent throughout, sei-taing a type and following it through to the end. He judged solely from the breeders' slandpoint, which will account for some animals of good blocky type, but lacking in breed character, not getting a light of the solely type that he was a summary of the solely state of the sol others.

others.
The cow classes were particularly strong. The aged cows that lined up before the judges were as good a lot of Shorthorn matrons as have ever graced a Canadian show rinz. Queen Ideal of the Beaconsfield Herd was placed first. She was brought out in good form and though showing the effects of frequent fitting for the showly her many good qualities were to the front.

the front.

The class for Shorthorus in milk was not as string as it should have been. There should be at least two classes, one for three-year-olds in milk cusses, one for three-year-oids in milk and another for four-year-olds or over. This would enable a championship to be given for the best cow in milk, and not have the winner come in competition with the beef matrons for sweepstakes honors.

That veteran feeder and breeder.

sweepstakes honors.
That veteran feeder and breeder,
James Leask was strong in the steer
classes sired by a Shorthorn bull, winning both lat and 2nd in the two-yearold and yearling classes. Joseph
Stone, Saintfield was first in the calf
class, with a steer bred by Leask.

OTHER BEEF BREEDS

The Hereford show was not as strong as last year. W. H. Hunter, The Maples, had both the senior champion and had both the senior champion bulls. Hampion, holking well as well as the senior was a senior with the senior champion and hampion and the senior was the senior was a senior with the senior was the senior was the senior was the senior was a senior was the senior w

Herefords.

The Aberdeen Angus made an excellent show it is couple of new excellent show if he couple of new excellent show if he couple of new excellent show if he couple of the coupl

the best of it in the bull classes, winning both championships. Shaw was stronger in females, winning the sen-ior and grand championship, senior honors going to McCrae. John David-son, Ashburn, judged the Angus and Galloway classes.

Horses at Toronto

Horses at Toronto

The horse exhibit at the Canadian
National Exhibition is always a
strong one. This year it was stronger than ever, the lage stable accommodation on the grounds being inadequate for the purpose. But quantified the stable accommodation on the grounds being inadequate for the purpose. But quantified the stable accommodation on the found for the stable accomtified the stable accommendation of the stable and
quality to be found in the
scanning the stable accountry. The exhibit of throughbreds is a notable example. The
time was when the thoroughbreds is a notable example. The
time was when the thoroughbreds is a notable example. The
time was when the thoroughbreds is a notable example. The
time was when the thoroughbreds is a notable example. The
time was when the thoroughbreds is a notable example. The
time was when the thoroughbreds is a notable example. The
was only if divided equally among them
would give alout \$50 for each horse
shown. The thoroughbred people will
have to do better or this class will
have to do better or this class will aroo, it divided equally among them would give about 580 for each horse shown. The thoroughbred people will have to do better or this class will have to be cut out of the prize lot. Contract this showing with the standard breds, which made one of the largest exhibits in the horse department of the largest exhibits in the horse department of the largest exhibits in the horse department of the largest exhibits in the rose department of the largest exhibits in the last conduction of the largest exhibits of Gall, had 56 entries, and put up a show that in tiself would be creditable to any big fair. One of the sensational animals in this class, Morgrazia, was owned by this exhibitor. Then there were the pony classes. The entries in this section last year and the quality very good. The Canadian Pony Society has been doing things the past few months. To its efforts is due the very fine display made this year in the pony classes. Some of the other horse societies should take a lesson from the Pony time of the control of the should make as the strong infusion of trotting blood in many of the animals shown, especially on the dart's side. The thore-cauched people should make a note of this.

HACKEYS HACKNEYS

Of the light horse display our read-Of the light horse display our readers will be more interested in the Hackney exhibit than any other. While it did not show much superiority over recent years in numbers, the quality was of a high order, many recently imported animals facing the judge, Mr. Wm. Gibson of Beaconsfield, Que. Mr. Well. He was consistent throughout in his placing, and did not jump from one type to another, something that could not be said of all the judges in the horse department.

could not be said of all the judges in the horse department.

The principal exhibitors of Hack-neys were Messrs. Calkins & Anga-bury, Byron, Mich.; Graham Bros., Claremont, Ont.; Oak Park Stock Farm Co., Brantford, Ont.; T. H. Has-sard, Millbrook, Ont.; Graham & Ren-frew Co., Bedford Park, Ont.; A. Yea-ger, Simce, Ont.; Geo. A. Bernett & Grant Carlisle, Ont.; Chas. B. Eurot, Ont.; and others. Ont.; and others

CLYDESTA For several years show has been the foliable at Toronto. a horse wearling, Magnificent. Bowman and show has been the fahad both championships in formales
on two splencid animals. He also
won in graded herd. L. B. Broadfoot,
Fergus, son first on aged cows, with
Elim Park Kyma Ith, a good deep individual.
There was nothing sensational about
the Galloway display. D. McCrae,
Guelph, and R. Shaw, Branford, were
the contestants. The former had much
that horsemen are born "kickers" and

stick to their favorites, no matter what quality may be against them, true it is, that never at the ringside of any Clydesdale ring, have we heard so much adverse criticism of a judge.

of any Clydesials ring, have we heard of any Clydesials ring, have we heard in our opinion much of it was deserted. No judge in recent years at Toronto has jumped round from one type to another in his placing as did Mr. Weir. It may be the way they do things in Scotland. To say the least his piacing was very hard to follow, though he may have had good reason for his decisions. They were not, however, apparent to the ringside. In the aged stallion class, shat splendid stallion, Bir Marcos, shown basy first. He was abown in the best of form and in a condition that could hardly be improved upon. He has all the good qualities and few of the bad ones and, as shown at Toronto, was a fine type of the modern Clydesdale. The principal exhibitors were Dalgetty Bros., London, Ont.; Thes. Mercer, Markdale, Ont.; Smith & Richardson, Columbus, Ont.; Graham Bros., Claremont, Ont.; The Graham, Benfrew Co., Hoddkinson & Tisdale, Bentron, Dat., J. J. Graham, Cannonthe-Lake, Ont.; R. R. Constanting the control of t

SHIRES

The Shire men did not do them-selves justice at this year's show. The exhibit was much smaller than it should have been, though the general quality shown was as good, if not better than at recent shows. Both cham-(Continued on dage 11)



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your own eyes? The harder the soil the greater the "Bissell" triumphs over all others.

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HORTICULTURE

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Another Nursery Scheme

The practice of some United States may be a supported to the common of the c Another Nursery Scheme

who do not know, the method followed by Canadian concerns. The strong-est of the young stocks, that have either been grown at home or inport-ed, are kept in cool cellars during the winter, until about the beginning of winter, until about the beginning of January, when the grafting takes place in these cool cellars. Whip or torque-grafting is the method usually employed. The only advantage one nurseryman may have over another is;—that he uses a whole root for his graft, and discards the first and second cuts. By the first and second cuts. By the first and second could be seen to be seen to be a second cuts. The seen to be seen to cut off are sometimes used by nur-seryman and sometimes disearded. There is but little advantage in using the whole root, and this is no reason why the strong root trimmings should not be used, if they are thrifty enough to take a scion. Our leading nursery-men make a practice of grafting en-tirely on the whole root. It is plain to anyone who knows the first thing about grafting, that the United States agents referred to are the poor farmers again, and we sull the poor farmers again, and we call the opportunity of warning our read-ers against them and their methods.

Importance of Moisture Control F. T. Shutt, M.A., Chemist, Dominion Experimental Forms.

We have come to realize in these later years that one of the most important problems in agriculture, is the control, the regulation of soil moisture. It is a large subject, and, if discussed fully, would involve the if discussed fully, would involve the question of drainage, a matter of considerable interest to the orchardist, the question of gration of the soil, and several others. I propose mentioning two phases only, phases that immediately touch upon our work under discussion is weare.

immediately touch upon our work under discussion in recent issues of The
Canadian Dairyman and Farming
World—cover crops in the orchard.
All the soil-formed food that plants
absorb must be in a state of solution
before the crops can utilize it; the
feeding rootlets can only appropriate
as it were highly-diluted food. In or-

weeseeseeseeseeseesees der to obtain their food from the soil, der to obtain their tood from the soil, crops require vast amounts of water. It has been estimated that at least 300 bbs. of water are taken up by the roots for every pound of dry matter stored up in stem, leaf or fruit. Dur-ing the growing season then we are to understand that there is a constant to understand that there is a constant stream of water passing through the tissues of the tree, parting with its dissolved material to build up here and there the various parts and or-gans of the tree, and finally tree, put of the tree and finally tree, put of the tree and the tree to the line that the tree to the atmosphere. In this way probably more than one thousand tons of water an acre each season are absorbed by the roots of a thousand tons of water an acre each season are absorbed by the roots of a mature orchard, and this in addition to the water retained in the tissues of the tree and fruit and that lost by capillarity and surface evaporation.

capillarity and surface evaporation. What is true of the tree, is likewise true of the grass. To produce a crop of hay will require at least from 500 to 600 tons of water. Unless the season is one characterized by an abundant rainfall there are few soils with all this moisture, and, as I have already said, it is the trees that suffer. It is essential then that while the

It is essential then that while the tree is making its growth, and its fruit filling there should be a suffic-iency of soil moisture. This, as we have seen, is not likely to be the case if during that period a second crop—a soil feeder-is grown on the same

But it will not merely suffice in many districts to leave the trees the undisputed crop upon the soil during this growing season. In soil that is bare of foliage and left undisturbed, capillariy is set up and surface evap-oration takes place. How can this be prevented? By occasional cultiva-tion. The dry earth mulch so form-ed breaks up the capillary tubes, and It seems thus arrests evaporation. clear then that cultivation should be practised during the spring and early

practised during the spring and early summer. Is it essential or desirable that it should be continued throughout the season? I think not.

Some few years ago we determined during the i atumn and winter the moisture content in the twigs of 10 varieties of apples. These apples included some of the hardiest and some of the most susceptible to cold of the varieties that can be grown in the Ottawa district. Our results showed that the hardiest were those containing the least water. Indeed the order of their moisture content, was the or-Indeed the order of their moisture content, was the order, or practically so, in which the horticulturist, Mr. Macoun, had arranged the varieties, according to observed hardiness. This goes to support the view that growing tissue contains more water than mature word that consistent of convertible of the property of th port the view that growing tissue contains more water than mature wood, that cessation of growth and early maturity of the wood may be early maturity of the wood may be induced by limiting the soil moisture supply, and that such mature wood is better able to withstand very low temperatures. It seems quite probable from the results of this investi-gation that the character of the aut umn, both as to rainfall and tempera-ture, may have very much to do in determining the immaturity of trees during the following winter.

Arguing from these premises, it is clear that to check the growth of the orchard trees in the autumn, by the abstraction of soil moisture, is very desirable. This can be accomplished through the growth of the cover crop sown in July

Fruit Inspection

Truit Inspection
The staff of Dominion Fruit Inspectors has been substantially increased for this season by the appointment of additional inspectors. An inspector will be stationed at Port Arthur and Fort William, who will watch shipments to other points between The Soo and Winnipeg.

It is intended to give particular attention to the state of the state

in order to make a proper inspection.

If you have a photograph of your orchard, small fruit patch, vegetable garden, flower garden or lawn, send it to The Canadian Dairyman and Farming World for publication. To make its appearance more interesting, write a letter describing the scene and how you grow the trees or plants illustrated.

It woa't cost you much to sell that farm if you advertise it for sale in The Canadian Dairyman and Farming World. See particular in our

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Per Acre				300	300	Acid Phosphate
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in pounds			2232	4224	3204	
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Though it was decided last spring what breed of hens was going to be kept for next year's laying the time will soon be here to decide again what birds will represent that breed. This latter decision is of much more importance than the matter settled in

Inter decision is of filter notes inportance than the matter settled in.

In selecting the breed, what was
wanted was one that we liked, one
that would give eggs the year round,
one that laid most in summer and one
that gave eggs and meat, etc. The
color that suited our fancy, the one
that dian't crow too much or too early
in the morning, the one that was easiget go keep out of the garden, or the
one that was best able to forage. Takme that was best able to forage. Takkeep the same breed they had last
year, which is probably the best thing
to be done. A change of breed may
be an improvement sometimes, but
usually the man who neglects his be an improvement sometimes, but usually the man who neglects his flock blames the breed and gets an-other breed that proves no better. One who is always changing cannot get the best out of any breed. Decide what breed is best for your conditions and then make the flock you keep the very best of the breed. The breed then in Law impor-

tance than the individuals. In selecting the individuals that are to coning the individuals that are to compose the flock there are a few specimens that are not wanted.—Old birds are not profitable. Don't keep an old hen simply because she has some peculiarity you like. Sentiment is all right in its place but in the poultry yard it doesn't always pay. The second season as a rule is long enough for the best hen to live.

Don't have immature pullets in the flock. Have immature pullets in the flock. Have them well developed before cold weather comes. Have no cripples or deformed birds; none that are or have been sick.

If you want to breed true to the

are or have been sick.

If you want to breed true to the breed cull out all that are off in color and shape. Cull out the lazy birds, have no loafers. Like begets like.

Have no male that is not vigorous and full of life. The one that is never heard crow, hand better be eaten. Give

heard crow had better be eaten. Give the crower the preference. Have the flock made up of individuals that are good representation of the breed, a fair gize rather than over or under. Have them well matured and from a good healthy parent stock of good lay-ing stock.

Organization of Local Poultry Association

The local Poultry Associations which have received a grant during the past year, shall be recognized as such by the Minister of Agriculture, the plast year, ahalt be recognized as such by the Minister of Agriculture, and shall each receive an annual grant of fifty dollars (\$50.00) if complying with the regulations appended; if these regulations have not been the plant of the pl an annual grant of twenly-five dollars (\$625.00); but where there is more than one electoral district in a county, the annual grant shall be fifty dollars (\$50.00) during such time as there is only one recognized local Poultry Association in the county. Where an association fails to comply with the regulations during any calendar year, a new association may be formed to represent that district.

1. Application for recognition must

Each Association must hold a Poultry Show between October and February inclusive, for which it is fin-ancially responsible.
 The Poultry Show must consist of at least 300 bona fide entries and the prizes offered, \$200, exclusive of pigeons and pet stock.

association must use every reasonable means to properly advertise and in-terest the public in these lectures, which must consist of at least two

POULTRY YARD
POULTRY YARD
The Next Year's Flock
Though it was decided last spring
2. Each Association must be supplied for the Minister of the the control of the co

youtry show must consist sessions.

300 bons fide entries and 6. There must be sent to the Directoffered, \$200, exclusive of pet stock.

Department of Agriculture, applicated birds, or, if not especially valuable accommodation, to in-tion for a lecturer at least two months apply the hatchet

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The Iron Producing Lands Co., is a strong organi-The Iron Processing Lands Co., is a strong organi-zation of business and professional men, farmers, cierks and office people who seeing the vast fortunes being dug out of Minnesota Iron Lands determined to win some of the wealth Nature has so lavishly bestowed, by banding together to develop such ore lands as

by banding together to develop such ore failus as they might acquire. The purpose of the company is first to acquire lands in the ore belt, then to develop such lands for all that is in them. To raise a fund for this purpose a limited number of shares of stock.

number of shares of stock in the company are offer-ed for sale. The price of these shares are \$10 each and promise in a very short time to be worth several times that amount. If we strike as rich a vein of ore as has been found on all folders will realize big dividends on their investdividends on their invest-

This company has already acquired lands in the very heart of the ore belt. On all sides of our holdings rich strikes have been made and millions of tons of ore is the reward the stockholders will have as a result of their investment.

result of their investment.

On all sides of this company's property are drillings showing vast deposits of iron ore, and within 80 rods forty million tons of ore have been blocked out. The accompanying illustrations show examples out. The accompanying illustrations snow examples of the active mining operations now going on near our

Now is the time for you to invest in a company owning ore lands ready for devel-opment. Don't hesitate and when the big stake is struck regret that you couldn't see ahead far enough to get in on the ground floor. The ore belt is limited and the opportunity to increase your fortune in this way will soon be gone forever.

The increasing demand for iron makes the develop-ment of new iron producing fields a profitable enterprise and one which offers attractive inducements to investors, being a much different proposition than ordinary min-

schemes.
Millions of tons of ore underlie the lands in the Cuyuna District of Minasota. Heavy options for
leases have been paid
since the discovery of fron
ore in this locality. In one
instance \$10,000,00 cash
was paid for the privilege
of exploring fifteen 40acre tracts. The Northwestern Improve Western Improvement Company, organized by the Northern Pacific Railway interests to de-velop iron deposits along their railroad paid a \$40-

their railroad paid a \$40-000.00 fee on a tract of land which only a few years previous was sold by their agent for \$200 00.

iand which only a rew years previous was soid by their agent for \$200.00.

The lands owned by this company have every in-dication of being as valuable when they are developed as any in this rich district. Won't you join with us in

Every dollar invested in shares in this company participates directly in all operations carried on by the company and in all dividends declared.

Don't hesitate to send any amount you care to invest. But if you prefer more information write for free prospectus full of facts and figures that explain conditions as they actually exist. Remember only a conditions as they actually exist. Remember only a limited amount of this stock is available, so write today.

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I. THE CANADIAN DAIRYMAN AND FARMING WORLD is published every wednesday. It is the official organ of the Western Ontario, and Bedford District Quebe Dairymen's Associations, and for the Canadian Holstein, Ayrshire, and Jersey Cattle Breeders' Associations.

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THE CANADIAN DAIRYMAN AND FARMING WORLD PETERBORO, ONT.

TORONTO OFFICE Room 306 Manning Chambers, 72 Queen St. West, Toronto.

WEEDS MORE PREVALENT THAN **EVER**

While travelling through Western Ontario recently, we were particularly struck with the great encroachment that weeds have made upon the farms during the past summer. On many farms that were familiar to us and upon which in years past it was considered almost a crime to allow weeds to seed, are to be seen weeds this fall in all the glory of possession. Fence corners, gardens, orchards and other places, more or less inaccessible to cultivation, or to stock, were over-run with various sorts of weeds. Fortunately none of the most obnoxious ones were present. Burdocks, lamb's quarters, pig weed, motherwort, mallows, Canada thistles and may-weed were the most in evidence. In the corn and

and others more or less injurious possessed the ground to a startling degree. In some instances, it appeared as if the farmers had lost all hope and had permitted the weeds to take full possession of such land.

It is regrettable that such conditions are permitted to exist. If such practice is followed for any length of time, we may rest assured that the more obnoxious weeds will soon become introduced and will gain a strong foothold. This comparative neglect on the part of what used to be very careful farmers is largely accounted for by the scarcity of labor. Frequently, during the past summer, many have been tempted to employ less labor which, of necessity, meant leaving weeds largely to themselves. The result of such folly, is already too evident. It will be more so in the years to come and it will take several seasons to undo the mischief that has already crept in. It is high time that our provincial government enacted some law to force negligent farmers to take care of Sow Thistle. There is no excuse for allowing farms to become over-run with this pest. Where a farmer is not alive to the great danger of weeds, the Government should step in and cut these weeds for him, charging the cost to his tax

THE CENT THAT HIDES THE DOLLAR

Some men are so anxious to make money that they fail to recognize that in their anxiety to make a few dollars easily they are indirectly losing many more dollars than they are likely to gain. We have in mind an Ontario dairy farmer who last winter had a barn full of hay. The price of hay was advancing and he thought that he saw a chance to make a nice sum of money. With that object he fed his dairy cows on straw and held on to his hay. Unfortunately for him he held on to his hay until the price began to drop. Even then he did not begin to feed it to his cattle but held on to it hoping that the market would improve. He still has that hay on hand.

Because of the feed they received his cows did not do as well last winter as they might have and they went on to grass in thin condition. The result is that he has lost many dollars this year through the fact that his cows have not yielded what they would had they been properly fed last winter. It is an old saying that you cannot fool a cow. A man who expects to make money in the dairy business must feed his cows liberally when the price of hay is advancing as well as when it is low. It does not pay to try and speculate in hay and keep dairy cows at the same time.

NEW POTATOE DISAESES

According to a bulletin recently issued by the Maine Agricultural Experiment Station, two new diseases of the potato stem and tuber not hitherto credited to the State have been found to exist in several localities. Since one of these is distributed by means root crops, thistles, fox tall, lamb's of the seed and the other is probably should. Possibly some exhibitors all kinds of questionable advertising.

spread in the same manner, it is important that the growers at once learn to recognize them. The appearance of the affected plants, above ground, is somewhat similar in both diseases. The plants appear more or less unthrifty, varying with the severity of the attack. The branches and leaves, instead of spreading out normally, tend to grow backward, forming a somewhat more compact top, frequently with the young leaves incurled and folding up along the mid-rib. Later they may become lighter green and even yellow and the whole plant gradually dies. The disease is easily diagnosed by pulling up and examining the portions of the plant below the ground.

Growers of potatoes in New Brunswick or in the other maritime provinces should be on the look-out for the appearance of either of these diseases. Should one have reason to suspect that the disease is prevalent in his district, samples of diseased plants should be sent to the Agricultural College at Truro, where they may be identified.

THEY ARE AUTHENTIC

There seems, on the part of many, considerable disposition to doubt the authenticity of official records of dairy cows as compiled and published from time to time. Truly, it is hard for one accustomed to milking a cow that produces annually 3000 or 4000 lbs. of milk, or even 8000 lbs., to grasp the full significance of, aside from believing such records as published recently in The Canadian Dairyman and Farming World, where two cows owned by Brown Bros. of Leeds County, Ont., gave 100.4 lbs. and 93 lbs. of milk respectively in one day. Some farmers state their doubt of such records.

Happily, the originators of official testing foresaw the scepticism with which such results would be received. Provision was made for guaranteeing the absolute correctness of the tests. The men who have charge of the tests are generally appointed by the Agricultural College. They are thoroughly capable and understand their business. They personally conduct the test; not the owners of the cows. Thus there is no occasion for any doubt. These records are positive facts, not mere hearsay, as a recent visitor to our office expressed it. We can place every confidence in them. When we fully appreciate the full significance of high or abnormal rroduction we will then be in a fair way for putting our herds into such shape that they may do their best.

HORSE RING MANAGEMENT AT TORONTO

Reference to the ring management at The Canadian National Exhibition is necessary for the good of future shows. It is impossible to expect the interest in the horse judging there ought to be under present arrangements. With the judging of one breed spread out over several days of the show, with a couple of classes in the ring each day, it is very hard to follow, and the display of any one breed does not make

might be inconvenienced if, for example, the Clydesdale judging begun one day and continued till finished, and then another breed brought on, but the public would be greatly benefitted. This is done in the cattle ring. The dairy cattle are all judged first and followed by the beef cattle This gives the lovers of the different breeds a chance to see their favorites judged without having to spend a week or more at the show. Then there are the facilities afforded the press for making a report of the show.

Whether from a desire to prevent criticism of the judging or what, press representatives were not allowed in examine the horses, excepting when they were going out of the ring. They were kept "behind the bars and forced to judge of the judging at long range. A board nailed to the fence and a "soft" hard wood bench was the accommodation for the "scribes." It reminded one of the desk and bench of the old log schoolhouse of half a century ago. Surely the great Toronto fair should be above such small business. It needs the agricultural press more than the latter needs it.

FORM AN ASSOCIATION

Another word with reference to cow testing seems timely. Let us repeat clearly; there is no charge to the farmer, who joins a cow testing association, for the testing. The Dairy Division, Ottawa, pays each man who is making the tests, and supplies the chemicals, blank forms, etc., absolutely free. The dairyman has only to provide a small dipper, one sample bottle for each cow, and scales, should he have none at present, though there is plenty of use for them on any farm. This necessary outfit, including scales, will cost only about two dollars for ten cows, or three dollars for twenty cows. The time required to weigh and sample does not mean more than ten minutes a cow per month to the average handy man. Time and money thus scaled down, let us emphasize this point, no one who is keeping cows for profit, not simply for pleasure, can afford nowa-days, in view of prices of all feedstuffs, to be without definite knowledge as to each cow's capability and actual performance.

To reduce expenses means to increase profits. If a cow is producing fat, she is expensive and the profit is necessarily reduced to the vanishing point. With this simple means of selection, this easy co-operative method right at hand of checking up returns monthly (by means of the individual report and the complete summary of the association maid regularly from the Department of Agriculture) there is no excuse for any dairyman not taking this initial step towards building up a profitable herd. The Government helps you to help yourself. Make use of the means provided. Form a cow testing association in your neighborhood. The Dominion Government is doing good work in forming these associations.

We assure our readers of the reliathe impression upon the public it bility of our advertisers. We refuse

Ontario Crop Statistics

Ontario Crop Statistics

The following statistics of the principal field crops of Ontario for 1908 show the acreage as computed from individual returns made by farmers to the Ontario Bureau of Industries, and its yield as estimated by a large and its yield as estimated by a large wheat are as a practically the same as that of 1907, but the yield is estimated at nearly a million bushels in excess of the final returns of last year. The area in barley shows a shrinkage of about five per cent, and is over a mill-return of the property of th

Field		Y	ield pe
crops.	Acres.	Bush.	Acre.
FALL W	HEAT.		
1906	679,642	16,540,362	24.3
1907	676,164	15,545,491	23.0
1882-1907	869,813	17,932,068	20.6
SPRING	WHEAT.		
1908	142,124	2,282,318	16.1
1907	144,514	2,473,651	17.1
1882-1907	403,156	6,399,290	15.9
BARLEY			
1908	734,029	20,744,222	28.3
1907	766,891	21,718,332	28.3
1882-1907	648,514	17,945,220	27.7
OATS.			
1908	2,774,259	98,112,326	35.4
1907	2,932,509	83,524,301	28.5
1882-1907	2,140,887	76,627,266	35.8
RYE.			
1908	87,908	1,445,640	16.4
1907	67,158	1,039,021	15.5
1882-1907	118,301	1,933,978	16.3
PEAS.			
1908	396,642	7,804,625	19.7
1907	340,977	7,365,036	21.6
1882-1907	645,873	12,560,918	19.6
BEANS.			
1908	46,385	829,064	17.9
1907	47,562	790,269	16.6
1882-1907	41,762	715,332	17.1
HAY AN	D CLOVER.	*tons	tons
1908	3,253,141	4,635,257	1.42
1907	3,289,552	3,891,863	1.47
1882-1907	2,532,638	3,711,958	1.47
337743	43	tion of her	

With the exception of hay and clover, the final estimates of yields will not be made until November of these and other crops, including roots.

Horses at Toronto (Continued from page 7)

ciation might think best. The show

ciation might think best. The show was a credit to the breed and reflects something of the kind of Clydesdales that are being produced in this country. Mr. R. Starr, Fort Williams, Y. Mr. R. Starr, Fort Williams, Thos. Mercer, Markdale, had the champion Canadian bred Clydesdale stallion in his yearling, Royal Albion, by Breadalbine and Hodgkinson & Tisdale, the champion mare in Queen of Quality, a Royal Baron mare of good quality, Other leading winners were, Geo. Davidson & Sons, Cherrys were, Geo. Davidson & Sons, Cherrys Were, Geo. Davidson & Sons, Cherrys Description, Columbis.

There was a good show of general-purpose horses and heavy draft teams. A special exhibit of Percheron and Belgian horses was made by the Little Missouri Horse Co., Medville, Fenn., and J. Crouch & Son, Indianapolis.

You Can Do It Too

Many boys have already won live stock premiums by canvassing for subscribers to The Canadian Dairy-man and Farming World and are well man and Farming World and are well pleased with the premiums which we sent them. A boy always takes more interest in things when he owns part of them himself. Why not have some live stock of your own on your father's farm? You may not be able to afford the money to buy good stock, but here is a chance to win pure-bred stock without it costing you a cent in actual money. All it will cost you will be a little of the spare time which everyone has sometime or other during the week.

lintic of the spare time which overymonths of the spare time which overymonths of the spare time which overymonths of the spare time which over the
week.

We will send you a pure-bred pig
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pay the express on it for two extra
new subscriptions at only \$1.00 a year.
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can secure a pair of pure bred fowl
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boys have already done. Here is one
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sample copies. I would like to win a
thorough bred sow."—Alex Wilson,
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FOR NEW In return for securing One New Subscription to The Canadian Dairyman and Farming World as good the canadian Dred Clydesdales as so the Clydesdale association. To consider The Canadian Dairyman and Farming World as good farm to Clydesdale Association. The canadian Dred Clydesdale As

FOR NEW

***************** Skim-Milk Supply at Creameries

Skim-Milk Supply at Creameries
Editor, The Canadian Dairyman and
Farming World:—The most effective
means of bringing about improvement
in regard to this in my opinion, is
passeurization, and I will endeavor to
of this principle. The present system
of home-separation, to which a majority of creamery patrons have been
converted by the quality of skim-milk
ensures a fresh warm uncontaminated food for calves and pigs, is largely
responsible for the popularity of the
cream gathering creamery. Nothing
will be sorved by denying this fact.
If our whole milk creameries are to
meet it, is can only be done by giving
back to the auppliers a skim-milk absolutely innocuous and which will be
in a fit state to feed to the young stock
and pigs and thus prevent the apread
and pigs and thus prevent the apread and pigs and thus prevent the spread of contagious diseases. I will not deal with the advantages of pasteurizdeal with the advantages of pasteurization as a means of securing uniformity and increasing the keeping quality in our butter output. My purpose is to urge its adoption as a means of giving milk suppliers entire confidence in the whole milk creamery system of manufacture, confine any contagious disease which may appear give no handle for interested promoters of home separation to convert farmers to their system.

In the year 1894, the late Professor N. F. Fjord, in Denmark, carried out

farmers to their system.

In the year 1884, the late Professor N. F. Fjord, in Denmark, carried out a series of experiments, in which he applied pasteurization to the separators had just been introduced, and farmers were delivering their milk, and then separated, it would not keep aweet any length of time, calves and pigs did not thrive on being fed with it, and several kinds of diseases were spreading amongst the stock. Professor Fjord's experiment proved highly successful. Not alone did the milk keep sweet much longer, but calves and pigs thrived nearly as well as when fed on hand-skimmed milk. The co-operative system of dairying commenced a' the same time, only slowly gaining favor, the farmers ouly slowly gaining favor, the farmers dairying commenced at the same time, only alowly againing favor, the farmers being unwilling to join on account of the unsatisfactory state of the separated milk. Pasteurization, however, overeame this trouble. Pasteurization, therefore, indirectly laid the foundation of Denmark's success as a butter producing country. It was found, over, that by heating the milk to prove the success of the su further experiment showed that heat-ing to 180 degrees gave a more satis-lactory result. Microscopic analysis showed the m. k to be free from germs. The Danish Government, there-fore, in 1898 passed an Act, compel-ing all dairy factories to pasteurize

the separated milk to at least 180 degrees Fahr. before it was delivered good quality. The following are awards in cheese and butter: in force, disease amongst calves and pigs, the origin of which could pre-viously be traced to raw separated milk immediately stopped. The Act is most strictly enforced.

Pasteurization

is most strictly enforced.
Pasteurization ensures wholesome milk being distributed at the factories, and if adopted in this country would help Canada to maintain the reputation of being one of the healthiest and consideration of the construction of the construction of the country would be constructed to the construction of the country being a construction of the country. Had the operation of whole milk creamer is some years ago adopted pasteurization, as advised by our correspondent, and supplied their patrons with a sweet, wholesome quality flavored stuff that many of them got, there is no doubt the cream gathering creamery would not have made the progress it has. But they did not do so and gave little or no attention to the skim-milk returned to their patrons. The result is that out of 110 creameries in operation in Ontario today, only three or four are purely

creameries in operation in Ontario to-day, only three or four are purely whole milk creameries, with three or four more running both systems. But the better quality of the skim-milk which the farmer has at home for his calves and pigs does not alone account for the success of the cream-gathering creamery. It costs less to account for the success of the cream-gathering creamery. It costs less to haul cream than milk, and cream can be gathered at a profit from a much wider area than milk can. As good quality of butter can be made by it as by the whole milk creamery, pro-vided the cream is delivered in good

As the above figures show the cream As the above figures show the cream gathering system is here to stop. It is the only system workable in the West. Quebee withstood the encrosed ments for many years, but the creamgathering plan is gradually gaining a foothold there. What needs to be done is to so educate patrons as to insure a good quality of cream being delivered. Makers also should be delivered. Makers also should be uniform and better quality of butter being made.—Editor.

Cheese and Butter at London

Cheese and Butter at London
The commodious dairy building at
the Western Fair was well filled with
exhibits relating to this important
industry. The butter-making competitions were well contested for and extended over the whole week of the
show. The awards in this section
had not been received up to time of
going to press. There was the usual
display of dairy machinery.
display of dairy machinery.
one with the quality of a high order,
as shown by the score. Last year the
lowest score was 84. This year there
were none below 90. There were three
judges, each one scoring separately.

were none below 90. There were three judges, each one scoring separately, and the averages taken in awarding the prize. This brought things down to a fine point and making only a difference of 1-12 of one per cent. between some lots. The only defect was that some chosees showed a little open that some chosees showed a little open the control of the the cheese so much as that they were which it is made is cement, and the outside is very attractive. Flowers experiment to the form of the control of the co

CHEESE. August Colored.

3. R. 4. Clarence Donnally, Scotts

August White. August White.

1. R. A. Thompson, Attwood...95 1-4

2. Chas. E. Baxter, Tavistock..95 1-6

3. W. S. Stock, Britton.....95

4. H. W. Hamilton, MonEton...94 5-6 June and July Colored.

June and July White.

Best Collection of Cheese.

1. Connolly Bros., Thamesford, 93

2. J. H. Williams, Embro,90 Syndicate Instructors Prize. ames Burgess, Listowel,....27 7. Hamilton, London,......7 BUTTER.

Creamery Solids. Creamery Solids.

1. W. G. Modd, Winchelsea, Ont.

2. W. H. Stewart, Frontur, Que.

3. H. Leclerc, Foster, Que.

4. W. H. Waddell, Kerwood.

5. W. H. Brubacher, Dreaden,

Creamery Prints.

1. A. G. Paterson, St. Thomas.

2. Canadian Milk Products, Brownswille.

H. Brubacher J. H. Leclerc, Foster, Que. W. H. Stewart, Frontur, Que. Farm Dairy Packages. Miss Maggie Johnston, Bowood,

Ont.
2. T. W. Crealy & Son, Strathroy.
3. Miss Lena Hamilton, Carlow.
4. Mrs. Walter Hill, Moray.

Farm Dairy Prints Mrs. Bert Lawson, Hyde Park,
 T. H. Gregory, Poplar Hill,
 Mrs. Walter Hill, Moray,
 Maggie Johnston.

Special.
Mrs. T. W. Crealy, Strathroy.
Miss Maggie Johnston.
Mrs. Walter Gregory.
T. H. Gregory.

A Good Word for Factories

After returning to New York State from his recent visit to Prince Edward and Hastings counties, in which he made a study of dairy conditions, Mr. W. Hall, referring to the factories these districts states that they are W. W. Hall, referring to the factories in these districts states that they are all well equipped and so managed as to produce the best results. He describes in detail the Mountain View factory as typical of those in the district, and his description is worth reproducing. It is as follows:

"It stands very close to a highway in Prince Edward county, at a road crossing. The exterior has the appearance of a club house, or of a village library. The material from which it is made is cerent, and the

willage library. The material from which it is made is cement, and the outside is very attractive. Flowers adorn the yard in front, facing both roadways, and the whey vat is situated close to the highway, 200 feet from the factory, and is elevated and enclosed in a small building. All floors, both in the manufacturing and curing rooms are of compared to the compar

Better Butter comes when

Windsor Dairy Salt

is used. It's so pure and well - savoured. At all grocers'.

stand to the little laboratory in the far corner, all necessary equipment is found. Nothing is left out that will found. Nothing is left out that will add to the convenience of the maker, or to the yield or quality of the finished product. Power for hoisting milk, power curd agitators, latest and best equipped cheese vats, acidimeters, and Babcock tests are found. In fact no part is lacking.





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What are called "twins" are be-coming a feature in the local cheese kind. trade. Especially is this true of Tor-onto. Wholesale dealers here report a growing demand for this kind of cheese and that the quantity being

cheese and that the quantity being made is increasing every year.

A "twin" is just half the size of the regular factory cheese. They weigh about 40 pounds each. They are shipped two in a box, and are more convenient to handle than the full, size, or, at least, because of the more convenient to handle than the full size, or, at least, because of the smaller weight; they can be handled in the warehouse and delivered to the retail trade to better advantage. There is also this advantage: a grocer can a 40 pound cheese quicker than an 80 pound one, and there is not so much cut surface exposed when on the counter. It also lends itself to selling by the pound or half pound better. A pound of cheese cut down better. A pound of cheese cut down through an 80 pound cheese is very thin and dries out quickly. It is twice the thickness in a "twin," and, therefore, suits the customer better. There is this disadvantage, however, that there is more rind or surface in the "twin" in proportion to the size that there is more rind of surface in the "twin" in proportion to the size than in the large cheese. This means more waste. Then there is the extra press work required in the making, all of which adds to the cost.

Twin cheese sell for about 14 of a cent per pound more than large cent per pound more than large cheese, or, at least, there is this difference in the dealer's quotations to the retailer. For a retail trade, such as they have in England, the larger as they have in England, the largest size would serve the purpose better than the smaller ones. If a retail trade could be worked up here like this, and there is no reason why it might not be, an 80 pound cheese would suit all purposes. It would cost less to produce, and there would be less waste. It is interesting just here to compare the price of cheese on the local cheese boards and the quoon the local cheese bards and the quotations on a local market like Toronto.

On August 13, for instance, cheese at the country boards sold at 12 3-16c to 123/c per pound; on the same date cheese were quoted on Toronto wholesale market at 13c to 13%c for wholesale market at 13c to 13½c for large, and 13½c or 13½c or pround for twins. Here is a difference of ½c per pound between the price the fac-tories sold for and what the retailer in the city could buy cheese for. Is this too large a margin for the deal-er who handles for the local trade? It would be if our grocers sold as many cheese a day as the retailer does in England. But, under present condi-tions here, where the retailer buys in small lots, the margin the jobber gets small lots, the margin the lobber gets for buying, storing and handling is, perhaps, none too large. It is a ques-tion, again, of the amount of business done. If Canadians were cheese eaters, and a larger share of the output ers, and a larger share of the output yas consumed, at home, business call be done on a smaller margin of profit for both the jobber and re-tailer, and the consumer would get

Cheese Department

Maker are invited to send contributions to this department, to ask questions on matters that department, to ask questions on matters are friending to cheesenshing and to suggest sub-Cheese Department

Maker are invited to send contributions to the department, to ask questions on matters relating to onessemaking and to suggest sub- Throchese Makers Department.

The Cheese Makers Department of the Cheese Makers Department of the Cheese Makers Department.

Trade—No. 4

So far, this trade is of the ordered kind. That is, factories will not make these small cheese unless they are or-dered by some dealer. The output, therefore, is limited, and has never cut a large figure in the market. cut a large figure in the market. There is no reason, however, why a good trade could not be worked up in this line. The cheese should be well cured and made strictly fancy so as to cater to the best class of customers who are willing to pay a higher price for a small family cheese. They are not, as a rule, adapted, as the larger size, for cutting on the counter. They had best be sold whole to the consumer. The grover catering to the heave. er. The grocer catering to the best city trade should be able to handle them to advantage.

One of the essentials in developing the trade is that the cheese should be weil cured. The writer has some of these small cheese in his cellar at the present time that were made last September. Even now they are none too well advanced in the curing, and will be better a couple of months hence. Such cheese are better a year old than six months old, and if properly cared for and cured at the right tempera-ture, they will be better still a year and a half old. In fact, a kind of the quality the writer has at present, quality the writer has at present, would keep under favorable conditions for a couple of years, and be better liked by the cheese "connoiseur" at the end of that period than at any time previous. There is hardly any the end of that period than at any time previous. There is hardly any limit to the keeping qualities of a well made, perfect flavored Cheddar cheese, if properly cured. Dairy Com-missioner Ruddick had a number of missioner Ruddick had a number of small cheese made two years ago. The last of these was cut a short time ago. Mr. Ruddick stated that they steadily improv-ed up to two years of age, and were superior to anything he had ever eaten in this country. They were made in the month of September and were kept at a temperature of 60 de-grees all summer, in a cool curing room, and in cold storage afterwards.

Mr. Ruddick's experience and that of others in the trade goes to show that if a trade in small ten pound fancy cheese is to be built up, those fancy cheese is to be built up, those caterine to it must be prepared to hold the cheese for a year at least. This means that factory men will not do it, and that some middleman will have to undertake the responsibility of buying and holding the product till it is ready for the consumer. There have been certain large dealers doing this and, we understand, with considerable success. There should be little difficulty or risk in the matter if cold storage facilities are available. if cold storage facilities are available. To get the best results the factories making them should have cool-curing rooms and be able to keep the cheese at a temperature of 60 degrees for a few months after they are made, when they would be ready to go in cold storage.

result be done on a smaller margin of the jobber and retailer, and the consumer would get better and cheaper cheese.

For a number of years a few of the better factories have made a limited quantity of cheese weighing from 10 to 12 pounds each. These have usual to 12 pounds each. These have usual by been made in September when the dowledop a high-class trade in this quantity of cheese weighing from 10 to 12 pounds each. These have usual by been made in September when the dowledop a high-class trade in this quantity of cheese weighing from 10 to 12 pounds each. These have usual by been made in September when the dowledop a high-class trade in this quantity of cheese weighing from 10 to 12 pounds on 15 manual to 12 pounds each. These have usual by been made in September when the dowledop a high-class trade in this quantity of cheese weighing from 10 to 12 pounds each. These have usual by been made in September when the object of the same of the Storage facilities at the could could be no factured. They are about the same difficulty in holding the trade for all depth as the regular cheese, but are time. A family once accustomed to the manual of it would about 30 pounds can be put in a box. Only other, and the demand for it would about 30 pounds can be put in a box, grow among the more wealthy class, a squants 80 pounds in the regular cheese, but are the could be no difficulty in holding the trade for all these storages.

MONTREAL - QUE.

It is desirable to mention the name of this publication when writing to advertisers as the selling their products in Montreal will storage facilities at the could force consumer, it should be possible develop a high-class trade in this develop at the consumer, it should be not all products in Montreal will storage facilities at the could product in the could produce the consumer, it should be not all products in Montreal will storage facilities at the could produce the consumer, it should be not all products in Montreal will storage facilities at the could produce the could produc storage

average family would consume at least half a dozen of these small cheese in a year. This would mean a large market for a steady fancy qual-ity, which it will pay dairymen to give some attention to.

Cheap at \$1 per Ton of Cheese

Ed. The Dairyman and Farming World,—In regard to pasteurizing World,—In regard to pasteurizing whey, I might say that it is giving entire satisfaction to all concerned. have had better flavored cheese than in former seasons and my patrons, without any exception, are well pleas-ed with the increased feeding value of

the whey. Our whey tanks are always clean. as no grease gathers on the top as

My patrons all tell me that their My patrons all tell me that their milk cans are much easier to clean since the whey is heated. This fact may cause some to be a little careess about washing their cans, as they less about washing their cans, as they might be if the whey were not pasteurized. This is, I believe, all that can be said against pasteurizing the whey. One patron told me he would vote to have the whey pasteurized if it were to cost \$1.00 per ton of cheese made.

believe that pasteurized whey is I believe that pasteurized whey is worth double what it was before we pasteurized. The whey from an elevated tank the next morning after beng pasteurized tested only 2.04 per cent. of acid. I would advise every cent. of acid. I would advise every patron of a cheese factory to vote for having the whey pasteurized. It will

pay the cost every time.

R. A. Treleaven,

Cheese Maker.

Rothsay Factory, Wellington Co.,

Gets Rid of the Bitter Flavor

Editor, The Dairyman and Farm-ing World.—My experience with pas-teurizing the whey has been that it improves the flavor of the cheese. We improves the havor of the cneese, we separate the whey and make whey butter, so that there is no fat left in the whey. I have heard very little from the patrons for or against the system.

The whey tanks are much

The whey tanks are much easier to keep clean when the whey is pasteurized. More of the solids of the whey settle to the bottom of the tanks. If all the whey is removed tanks. If all the whey is removed to the bottom of the tanks. If all the whey is removed as the settle of the sett Co., Ont.

No milk should be accepted at a factory which has been kept in iron exposed pails or cans.



Canadian shipments made from our worses at Montreal, Calgary and Winnipeg.

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NOT waste a mimute-not a second-in trying to demonstrate to others the merit of your own performance. If your work does not vindicate itself, you cannot vindicate it.



Soldiers of the Queen

ENERAL Desmond Fitzgerald, K. O. B., V. C., etc., etc., stood obefore the pier-glass in his dressing-room in the clear light of an elfah May morning and surveyed the reflection of his figure with an angry and damated glare. His body-seri-door before Genrye spoke again. "I'm coor before Genrye spoke again." Tim and dissatisfied glare. His body-servant, Carant, Cara retired from the Indian eral had retired from the Indian branch of Her Majesty's army, return-ed to his native land, leased the beau-tiful estate of Avonmere, and assumed the role of a country gentleman and Justice of the Peace. After thirty years of scarlet and gold he found it hard to reconcile himself to the con-ventional dress of his new character.

"Cagney," said he, and the other old soldier stood at attention, "you may lay out my dress uniform to-night. I shall dine in it." Through may lay out my dress uniform to-night. I shall dine in it." Through this astounding command Cagney's training held. There was the merest flicker of his eyelid as he saluted.

"I've promised my daughter," the General continued, "to put it on. She tells me she is very anxious to see me in it. She doesn't, of course, know the regulations. But there can be no harm in wearing it for an hour or two to give pleasure to a charming be no harm in wearing it for an hour or two to give pleasure to a charming young lady. And my medals, too," he added; 'get them all out of my dreasing-case. She is refreshingly in-terested in all I can remember of the actions I was in. And she is an un-topical transition of the state of the cations I was in. And she is an un-marked transition of the state of the Cagney, the rived of light," answered "She's a level of light," answered

Cagney; the very image of my poor dear mother."

"She's a jewel of light," answered Cagney, in a Cork accent, which neither the heat nor the hills of India had modified one whit. "You'd think so if you was to see her and Mr. Desmond goin' off with themselves under her white parasol after breakfast. 'Cagney,' says she, as pleasant as if it was only yesterday she was ridin' round cantooments on me shoulders with her little arms around me neck and me holdin' on to her little seraps of legs—'Cagney, will you remind the General, my father that has promised to ride with me after luncheon?"

impressed and outshone. And Cagney

impressed and outshone. And Cagney threw in picturesque reimarks.

One by one Shiela imperiously pointed out the media so her father's breast, or on Cagney's and demanded the full and circumstantial story of why they chanced to be there. And obediently the two old soldiers, urged by Lady Mary and cheered by the attention of the younger men, stormed red-walled cities, resisted night attacks, lurked in ambuscades, endured long marches and short rations, met fevers, tigers, natives, steaming darkness and blinding heat, all with an unconcern and bravery which made

ness and binding heat, all with an unconcern and bravery which made the adventures their own reward even without these glittering memorials.

"And now," commanded Shiela at last, "tell me why the yave you this scrubby little black one," and she pointed to a small forcek cross hung on a party-colored ribbon.

on a party-colored ribbon.
"My dear Shiela," expostulated
Lady Mary, "that's the Victoria
Cross!" I knew it." The girl laughed. "I
was only joking. Tell me how you got
it. I can read your name and the
date: September 14, 1857. What happenned then?".

"The fall of Delhi," whispered Lady Mary. No passage of time, no years of happiness, could dim her memory of that day

"That was for nothing much," the Greenal made hasty assurance. "You see the content of the conte That was for nothing much," the

better an gives you a youtnuller look altogether, sir."

"You may lay it out," said the General. "And look to the boots."

"I will, sir," answered Cagney, and the General had nearly reached the door before Cagney spoke again. "I'm would be took in the light of a liberty if I was to put on my ould red coat, too, this evening when you wear your uniform. A General," he pointed out, "had rightly ought to have a aide, and maybe ye wouldn't mind—for the want of a better—lettin' me stand behind you like I was goin' to go off of mesages for you. The red would be a bit brighter," urged Cagney deferentially, "if there was two of us in it, an' Miss Shiela might get a better idea from it." 140

rtable farm home of Mr. J. W. Suddard, Fro Note the interior plans published on the following pages

and Cagney went on artfully: "An' as for the stories of the medals, sure who could be tellin' her them better nor me?" The General hesitated, undecided,

"Very well," the General acquiesced suddenly. "We'll show those boys of mine that there's nothing a woman loves more than a red coat and a gold button." button

Stripped of technicalities, it was made clear that on that eventful fourteenth of September, when the Eng-lish fought and blasted their way into the red city so long held by the mutincers, a certain gate across a lane lay between Burn Bastion and the breaches already made in the wall. The General was but a Major then. With three men he set forward to place bags of powder against this gate. Two of the three men dropped their bags and ran back. The third man and the Major waited to set all things fairly, to push the bags close under the pierced stone of the gateway, before lighting the fuse. The gate was blown to pieces, the houses round about were battered, and the red-coated Englishmen poured through the opening and went on to avenge their slaughtered women and children until they came upon the European quarter. And then they fought no more. eers, a certain gate across a lane between Burn Bastion and loves more than a value of you was to see ber and Mr. Desmond goin' off with themselves under
her white parasol after breakfast
(Cagney,' says she, as pleasant as if it
was only vesterday she was ridin'
round cantoonments on me shoulders
with her little arms around me neck
and me holdin' on to her little arrasport
of legs—Cagney, will you remind the
General, my father that he has promised to ride with me after lundscon?"
"By-the-way," interrupted the General, "which of my riding suits is
most becoming to me?
"Ry-the-way," interrupted the General, "which of my riding suits is
most becoming to me?
"Ry-the-way," interrupted the Genmisst to write the fearer through that
"The there were a sangor them.
With three men he set forward to
the third prize will be one of our new
dock Books.
The third review was a great sucmond give your
their bags and ran back. The third
their bags and ran back the third prize will be one of our new
dock books.
The there men he set forward to
the bridge. Two of the three men he set forward to
the bridge. Two of the three men he set forward to
the third prize will be one of our new
dock books.

With three men he set forward to
the third prize will be one four new
feels. Two of the three men thory of the there men drops the third prize will be one four new
dock books. The third
the bags and ran back. The third
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their bags and ran back. The third
their bags and ran back the third
their bags and ran back. The third
their bags and ran back. The third
their bags and ran back. The third
their bags and r

day with only a slaughtered arm to show he was in it. An' when the Queen heard of it she sent him the Victoria Cross."

Victoria Cross."
"Oh, I'm so proud of you, papa,"
cried Shiela.
"And the third man?" questioned
Owen, the General's youngest son.
"The poor fellow was killed," answered Lady Mary. "But when we
heard that there was talk of your
father's being decorated he insisted
that the third man deserved the same
reward. So the Cross was sent to his
people."

people."

Poople."

What was his nationality?" asked
Demond, the eldest son.

"Irish, to be aure," responded Cagney promptly. "Nearly all them
Crosses is given to the Irish. It's the
most Catholic nation, ye see," he addall wift a cris.

"And the fondest of fighting," sub-mitted Owen, as dinner was an-nounced.

mitted Owen, as dinner was announced.

Lady Mary Fitugerald loved the dinner hour. She sat at the table in a glow of happiness and pride as she looked at her dear General and her handsome, clever, entirely satisfactory children. All the perils and partings of earlier life were compensated for by this blessed family circle which revolved so lovingly shouther. But have been the compensated for by this blessed family circle which revolved so lovingly shouther. But have been the compensated for the compensate of th echo of their unr st sometimes reached the family at Avonmere.

Concluded next week

DE 36 36 Paying Off the Mortgage

Paying Off the Mortgage

At some time or other it is almost necessary to mortgage the farm. Then the struggle begins to repay the debt. Usually the ways and means for getting together the necessary funds to meet the obligation state of the family. It is the woman on the farm who usually looks after the ends and it is the woman of the the means of the family. It is the woman of the farm who usually looks after the ends and it is the woman of the farm who usually looks after the ends and it is the woman of the household to whom credit must be given in nearly every case for improving and bettering the surroundings of the home. Or publishing an way are desirous of canadian housewises in assisting to reduce or cancel the mortgage on the farm home. We will, therefore, give three prizes for the three best letters received giving the experiences as set forth above. The first prize will be \$8\$, worth of merchandise to be selected from any advertiser who advertises in our

the experiences as set forth above. The first prize will be \$\$, worth of merchandise to be selected from any advertises who advertises in our paper during the rest of this year. The second prize will be \$2.50 worth of merchandise to be selected from any advertiser in the paper dury from any advertiser in the paper dury the third prize will be one of our new Cook Books.

Write on one side of the paper when sending in your letter, and give your personal experiences, or that of some one of your friends. This contest will close the last of December.

Address your replies, Morfgage Contest, Household Editor, Canadian Dairyman and Farmine World, Peterboro, Ont.

An Up-to-Date Farm Home

The accompanying illustration shows the new farm home owned by shows the new farm home owned by O. W. Suddard, Frontenac County, Ont., with a stone tenant house to the right some distance in the rear. It is a comfortable and roomy farm shome and one which any farmer i ay less the barns may be seen in the rear at the barns may be seen in the rear at the left. Mr. Suddard writes us that cleent commended and are provided with good the considers his house one of the best to the commoders his house one of the best to the commoders his house one of the best to the commoders and only when the considers his house one of the best to the commoders and only when the considers his house one of the best to the commoders and only when the considers his house one of the best to the commoders and the provided with good the considers his house one of the best to the commoders and the provided with the commoders and the provided with the provided with the commoders and the provided with the commoders and the provided with the provi

fortable living room forms the chief feature of the first floor. A spacious brick mantel and fire place occupy one corner of this room. Mr. Suddard has a private office just off this liv.

one of the first considerations for the other first considerations for the first consideration for the firs

South 7 Front Porch 8×20 101 141 Brita Living ROOM Taken (16×20 manted. di Office. @ First Floor Plan of Home of J. W. Suddard (See page 14) 16 × 18 constructed and most convenient farm house in Ontario and he has given much attention to the details in buildmuch attention to the details in building the same.

The walls of this house have double air spaces and it has also double air spaces and it has also double on the same of the house.

The same of the same of the same of the same of the house of the house. Wood shed 18×20

ossement of the house.

Soft water is furnished both hot and cold to the bath-room, kitchen and laundry. Pure cold well water is furnished from a well through a pump on the west porch. bath room.

INTERIOR FINISH

INTERIOR PINISH

The first floor stair-way and the bath room are finished in red birch. Building paper is placed between the floors throughout the entire house for warmth and deal-cub, and the stair of the stair o

A roomy linen closet is a feature of this floor. The main par of the house is 26 x 55 feet with an ad dition of 18 x 36 feet. COST OF HOME

Mr. Suddard writes that the cost of his house with water service, heat, plumbing, decorations, and all com-plete was about \$6,000. While very few can afford as elaborate a house as Mr. Suddard's, the arrangement as Mr. Suddard's, the arrangement of the house and conveniences can be obtained on a much less expensive scale and thus lend attractiveness and convenience to many farm homes. THE CELLAR

THE OFILIAR

The soft water in Mr. Suddard's house is supplied by a wind-mill while the well water is drawn as required. The cellar plan is not shown to scale but shows the arrangement and divisions of the cellar. The walls are stone and are 22 inches thick. The cross walls are brick and are in the diagram shown to mail circles in the diagram show in the diagram show as well are built up to the floor which are laid in soft mortar to make tight. Twenty-eight inch beams run the are laid in soft mortar to make tight. Twenty-eight inch beams run the length of the house, separated by cross walls and piers to support the floors. The laundry has stationary tubs with hot and cold water connections. A novel feature of this arrangement for the collections of t ment for the cellar is a roomy fruit kitchen.

kitchen.

We certainly congratulate Mr. Suddard on the admirable arrangement he has given his home and wish there were more farm homes in Ontario of a similar nature. We feel however, that there are many and we would be glad to receive photographs and plans of the same. the same.

Whenever you get a new broom pull out a dozen or more straws to have whenever you want to try a

one of the first considerations for the imateur in keeping bees, is to see that they are properly hived. There are amateur in keeping bees, is to see that they are properly hived. There are many kinds of hives. Probably the best and the one mose universally used is the eight-frame Langstroth. Many are content to keep bees in any old kind of a box or hive that is con-venient. It will pay to get the proper venient. It will pay to get the proper perienced in extracting and the whole operation is easily performed.

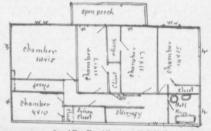
FEEDING THE BEES

With the bees properly hived, it is then important to see that they have sufficient stores to carry them through the winter. The bees will gather but little honey throughout the remainder of the season. Too often this fact is lost sight of and the bees are left with too little honey at extracting time. It is a clove, so the end is under the lost sight of and the bees are left with too little honey at extracting time. It is not be a clove, so the end is under the lost sight of and the bees are left with too little honey at extracting time. It is a clove, so the end is under the super or load never be taken from the large part, to show for the head, at large or load never be taken from the supersorm that the supersorm of the supersorm of the brood and keep them over the winter. Should they be short of stores they should be fed. Various kinds of feeders are made for this purpose. For the amateur with a colony or two, it is not necessary to invest in these. A cake of candy made from pure granulated sugar placed on top of the frames under the cover will soon replenish the stores. Precautions must be taken to prevent the best own to the checked of the care to the store of the stores. The control of the center of large ones. When cold, put pulvernel to the stores they should not be larger than a soc when cold, put pulvernel to the stores that the stores are successed to the store that the stores are successed to the store the store that the stores are successed to the store that the stores are successed to the store the store that the store the store that the st

to set the orange on. To make the jelly, soak half a box of gelatine in half a cupful of cold water until dissolved. Then add one cupful of sugar, the juice of one lemon, and three oranges and one cupful of boil-ing water. Strain and when partly cool, turn into the baskets and let

FANCY CAKES

Next make domino cookies. Cut the cookies twice as long as wide; put white frosting on them after they are baked and place the dots and they are baked and place the dots and mark across the middle with chocolate, marking them the same as a set of dominoes. You can make small round cookies not over two inches across when baked. On these, in the centre, after putting frosting, place a large raisin; at one end put a clove, so the end is under the



Second Floor Plan of Home of J. W. Suddard

space in the hive before the cold weather approaches. Should they not weather approaches. Should they not fill the space, it is advisable to use a division board in the hive, giving the bees only such room as they require. Fill the space on the other side of the division board with some old clothes or rags. If the Langstroth hive is used, it will be necessary to pack it in sawdust for winter unless the bees are The chief concern just now is to make sure of the bees having plenty of food for winter.

\$1. BE . BE Happy Memorable Birthdays

for winter.

You can make the children very happy on their birthday with a little trouble and not much expense. Of course they would like a few of their best friends to help them enjoy it.

site sides. Then cut this narrow strip the other way, so as to have a perfectly round basket with handle. Carefully remove all the pulp, fill these baskets with orange jelly, and place green leaves in the dish

This is done by closing a portion of the entrance so that only a few bees half inch squarss, then frost the can get in or out of the colony.

BRES SHOULD FILL SPACE

The bees should fill all the available taken by the high before the cold to moisten. It will soon set.

...

Wall paper that has been soiled by a smoky fire or lamp may be cleaned by using a hard dry sponge; the stiffer and harder, the better. Rub the wall briskly with it.



IANOS RGANS CANADA'S BEST MAKE

The home is not complete without a

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Кессессовсессовсессовсес THE COOK'S CORNER

Send in your favorite recipes, for bilication in this column. Inquiries retaining to cooking are solicited, and ill be replied to, as soon as possible ter receipt of same. Our Cook Book nt free for two new yearly subscrip-al \$1.00 each. Address, House-led Editor, this paper. E accessossessessessessesses

Pears and Quinces

CHIPPED OR SPICED PEARS.

CHIPPED OR SPIGED PRABS.
Cut 8 lbs. pears into small diee or chips, cover with 6 lbs. sugar, and let stand over might. Next morning add the grated rind and juice of 3 lemons and 2 ozs. white ginger root. Simmer slowly about 3 hours and can while hot.—Mrs. L. G. Small, Hastings Co., Cut. Ont.

CANNED PEARS

When I can pears, I first wash, peel and core the fruit and then put the cores and parings into a preserving kettle and pour in enough water to almost cover. Boil until the juice is all extracted, then strain through a joily bag, and I cup sugar for each q. Irust, let boil up and then drop in the pears and boil them until tender.

QUINCE PRESERVES.

QUINCE PRESERVES.

Use 8 lbs. sugar to 10 lbs. quinces. Pare, quarier and core the fruit, awing skins and cores for further use, the part of the part

DE DE DE

Orange peel, dried and grated, makes a very fine yellow powder that is delicious flavoring for cakes and

this preventing sagging in the centre. I take the best fancy blue striped ticking, cut the desired length and ticking, cut the desired length and width, with side and end pieces two fingers wide. When sewed up, with an opening in the top piece, fill with an opening in the top piece, fill with as much excelsior as can be pressed in, sew up the opening, and tie just in, sew up the opening, and tie just as the store ones are. Use an update sterer's needle. The work is easily much pleased to have them wit me done then, and by using bunches of how to car for the bees.—Mrs. A. Marcolored warp to knot with, the mati-ehall, Monk Co., Ont.

I make my own mattresses to sleep on, as the day is fast approaching when the "old dusty straw tick" must be relegated to the past. Besides, I then feel I can afford a little more money for springs, which should be of the best woven wire—those which have the spiral under the woven ones, this preventing sagging in the centre.

South . Kitchin Supplies flue Coal Cellar plan of Mr. Suddard's house described on page 15 tresses will look very pretty, and one will feel as though she knew what was inside, which cannot be said of some of the cheap manufactured ones. The sides and ends should have a row of knots around to complete the row of knots around to complete the work. I make top mattresses of cheap, soft, light tennis flannel, put-ting from eight to ten rolls of cotton batting between the layers, and knot-ting like comforts, only not so closely tied. Now, with spines and home-made mattresses, our beds are nicer than any straw tick and feather bed, as the latter never get renovated not Exeavated

Reseaseseseseseses The Sewing Room

Kasassassassassassassas







Small 32 or 34, Medium 38 or 38



6113 Misses' Bath Robe, 12, 14 and 16 years.

6114 Girl's Tucked Dress, 8 to 14 years,

GIRL'S JUMPER DRESS 5669



The jumper dress is one of the very latest decrees of fashion. Here is one that is worn over an entirely separate guimpe. The dress consists of the waist

consists of the waist and skirt.

Material required for the medium size (10 years) is 5 yda. 74%, ydi 52 or 5% 67. 44 in wide with 1% yds 36 in wide for the gaimpe and ½ yd 18 in wide for the

The pattern is cut for girls of 6, 8, 10, and 12 years of age, and will be mailed on receipt of ten

When a bedstead creaks at each movement of the sleeper remove the slats and wrap the ends of each in old newspaper. This will insure



n the name of this publication when writing to advertisers

Mesessessessessesses COUNTRY NOTES AND PRICES Vaassassassassassassassas

KING'S CO., NOVA SCOTIA.

Eggs are selling for 25c. Commission perchants are giving 20c. 21c. and 22c for or, but the creameries are giving 25c for ber, but the creameries are giving 25c for butter fat. Potatoes are a very crop, the first shipments made 50c areas. butter, but the good crop, the first shipments made 50c a bushel, but prices have now dropped to 40c. Cucumbers, melons, squash, pumpkins, and the rest of their family, have done splendidly. Sweet corn and fodder corn never looked better, and the apples done splendidly. Sweet corn and fodder corn never looked better, and the applie are more numerous than was expected, are more numerous than was expected, and the property of the splendidly of WELLAND CO., ONT.

WELLAND CO., ONT.

STONE GUARRY—Grain threshing is practically completed with the exception of buckwheat, which crop is a good one, the season being most favorable for it, the season being most favorable for it, the season being most favorable for it, and the season being most favorable for it, and the season being most favorable for it, and the season being at 80 a bush; sprouted or musted wheat sells at from 10 to 15c lower. The area annually devoted to fall wheat is equal to about one-tenth of the farm much surface of the season where the season which is the season where the season which is the season where the season which is the seas much earlier this year than formerly. By far the largest portions have been sown and but for the continued dry weather seeding would have been completed Some of the early sown is up but it is very uneven, due, no doubt, to late plowing and the drought. The corn crop in gen-eral is above the average; although the bulk of it was planted rather late, it has been marging very rapidly. The early been maturing very rapidly. The early planted corn has been cut and as but few silos are used it is usually shocked in the field and husked at leisure. Roots are looking well but rain is needed badly.—J. E. J.

are looking well but rain is needed badly.—J. E. J. Shadly.—J. E. J. Shadly.—J. E. J. Shadly.—J. E. J. Shadly.—J. Shadly. NORFOLK CO., ONT.

NORFOLK CO., ONT.

COURTIAND—Pastures are gesting quite short. Crops are nearly all harvested, and have been reasonably good. The weather is very dry and water in the wells is gesting low. Hain is very much needing state of the state of th

soc-W. A. B.

SOUTHERN SASKATCHEWAN
COTTONWOOD.—The season has been one of marked success from the standpoint of the farming interests. The light snows of last winter led many to believe that the ground would be too dry for a good spring growth. The prophets of crit were ground would be too dry for a good spring growth. The prophets of crit were ground. Seeding was not delayed, as in some seasons past, by late snows or by floods. After we had the grain in the ground the rainfall was abundant, and growth the ground the rainfall was abundant, and for inches the product of However, a good rainfall during late May

it stood up well. We always expect a frost about the time of the full moon in August. This year we escaped it. On the morning of the lith a heavy shower came, and in the afternoon the sky cleared, and conditions were right for frost. The temperature was fast going down, when a breeze sprang up about midnight, and the danger

was over.

Between electioneering autos and moving threshers, the roads and city streets were a terror to the poor farmer's wife, who nevertheless must venture out to buy her

harvest supplies. The threshers are having to cope with about one-third larger crop than that of last year. They will probably work util late in November in many districts. On the other hand, many farmers in those districts which were halfed out last year, when he was the last year, when he was the last year. districts which were halfed out last year, have much less land under crop than usual. The reason is easily understood. The reason is easily understood to the control of th

MANITORA

er, if the weather is favorable.—J. J. N. WINNIPEG.—This is the busy time for the agriculturist of this country. Everybody is up and at it from early until late, garnering and threshing one of the late, garnering and garne However, no injury of any appreciable extent was experienced and any samples that have already been examined have proved to be of good quality. In districts a constant of the constant of the

YALE-CARIBOO, B. C.

ASHCROFT.—The excessive heat and dry weather during the latter part of July and the first two weeks in August, have reduced the early harvest considerably. The last two weeks of August gare cool weather with rather more than the usual amount of rainfall. Present indications are for a heavy fruit and potato cropp.—F. J. R.

GOSSID

An exhibit that was of more than or-dinary interest to dairy farmers, at the recent National Exhibition, Toronto, was the complete dairy house creeted by the Oxford Milk Cooler and Dairy Supply Co., Limited, of Beachville, Ont. In this dairy house was shown the Oxford Milk Cooler, which was shown the Oxford Milk Cooler, which touse was shorter than the color, which is rapidly on more among the dairy farmers in western for a more the dairy farmers in western for cooler has many new features in its construction, which immediately places it among the very best milk coolers on the market. This company makes a specialty of supplying dairy houses in knock-down form which can be erected by any where the company makes a special to be companied to the companied of the color proper care of milk. This company carry a complete line of dairy supplies, milk vats, cans and pails, gasoline engines, force pumps and wa'er tanks.

DISKING IN PLOWING.

In many localities the ground is so dry and hard that farmers have had to give

up plowing and wait for rain. Those who have a "Bissell" Disk Harrow are able to pulverise the top of the hard ground with the Disk and start the after-growth. The "Bissell" Harrow advertised in this issue. "Bissell" Harrow advertised in this issue, is especially adapted for this seree work and the company are careful to answer all inquiries with promptness. Disking early and plowing later is regarded as the most advanced method of autumn cultivating, and will assist to clean the land and keep it in good condition.

GRANGE NOTES

DOMINION GRANGE OF CANADA.

The Grand Master of the Dominion Grange has addressed the following lette

Grange has addressed the following letter to all subordinate Granges: The executive of the Dominion Grange respectfully directs the attention of all members of Subordinate Granges to the opportunity which the pending Dominion election affords for pressing forward cer-tain demands to which the Grange has on more than one occasion committed itself.
We do not ask that any member of a subordinate Grange shall abandon the party
with which he is allied. What we do ask What we do with which ne is allied. What we do sak is that all those who are connected with either one of the great party organiza-tions shall endeavor to make use of that organization to advance the reforms which the Grange has been steadily urging for years. This can be done by endeavoring. the Grange has been steadily urging re-years. This can be done by endeavoring, where nominations have not yet been made, to secure the nomination of candi-dates in sympathy with our views; by the control of the control of the con-trol of the con-trol

the campaign about to open.

Chief among the subjects on which the Grange has pronounced, so far as federal questions are concerned, are the follow-

ing: (1) The salary grab

(2) Military expansion.
(3) Bounties to private interests.
(4) Bailway subsidies.

(6) The tariff.

We believe an increase We believe an increase in the sessional indemnity of members of Parliament to \$5500 was wholly uncalled for, and has been one of the chief causes of the waste of time in useless discussion at Ottawa, which all this involves in adding to the general cost of legislation. We believe general coet of legislation. We believe \$1500 an ample allowance for all the time that the members of a b-siness Parlia-ment really need to spend at Ottawa. We also disapprove of the annual vote of \$7, 900 to the leader of the Opportunity

ment really need to spend at Ottawa. We also disapprove of the annual rote of \$77,000 to the leader of the Opposition.

Object to the leader of the Opposition oppo ried out under the Public Works Depart-ment, a proportionate increase has taken place. It is now proposed to go still fur-ther in this same direction and make military training a compulsory part of the public school system. Against this tendency to emulate the military madness of Europe, farmers, on whom the chief burden of all this falls, should make a vivery us price. vigor as protest

BOUNTY FEEDERS

According to the Canadian Year Book, issued by the Dominion Department of Agriculture, there was paid out in bounties, to iron and steel manufacturers, by the Dominion Government, in the thirteen years from 185 to 1991 inclusive, over nine and one half million dollars. This money are the contraction of the contracti

pountion dovernment, in the thirteen pears from 185 to 195 inclusive, over naive was not paid for goods bought as and paid for goods bought as and paid the government to this favored interest.

Nor is the iron and steel industry the ently besself-stary of this bounty system.

Nor is the iron and steel industry the ently besself-stary of this bounty system, was paid in bounties to the fisherment of the pears of 1864 and the end of the short fiscal pears of 1864 and the end of the short fiscal

year of 1997, a period subsequent to the \$25,000,000 donation to the Canadian Pa-cific, almost the even thirty-five and a half million dollars was paid out of the federal treasury in railway subsidies. In addition to this millions of acres of land have been granted by the Dominion and the various provinces. Many of these sub-there is no second of the control of the forth of the control of the control pay a little more than nominal taxation, while in addjoining states railwars hults pay a little more than nominal taxation, while in adjoining states railways built without subsidies, pay 8400 per mile and more in taxation. Surely the time has come for farmers to insist that, no matter come for farmers to insist that, no matter which party may succeed in the coming election this particular form of misap-propriating the people's funds, shall abso-lutely cease and terminate.

INCREASING EXPENDITURE

Eighteen years ago, the total disburse-nents of the Dominion Government, under all heads, was less than \$42,000,000. In the last full year for which we have ficial figures, the total was over eig three and one-quarter millions. The eighty

the last full year for which we have ofthe last full year for which we have ofthree and one-quasitorial was over eightly
three and one-quasitorial was over
three and one-quasitorial was a
deformed for the current fiscal year,
aside from the railway subsidy voted,
amount to over \$15,00,500. True, the country has expanded and poultation has intry has expanded and poultation has inashead of development, and it is up to farmers, who stay on the ground, whose capital is in a sense, fixed and immovable, to
demand that a check shall be put upon
this rapid increase in an annual burden
in 1956, the last full year for which we
have the official figures, \$17,000,000 worth
of goods subject to duty, were imported
into Canada, and the amount paid in dutinto Canada, and the amount paid in dutwho was at the rate of nearly 7 grows. In
other words, the first cost of a dollar's
worth of goods was increased to \$1.27 by
the tariff. By the time the profits of the
wholesale and ratail merchants were addwholesale and ratail merchants were off
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a reduction rather than an increase in the burdens imposed.

Our brethren in Michigan some years ago entered on a similar campaign in the matter of railway taxation. They made use of their connection with both political use of their connection with both political ation of railways, and as a result railways in Winkisan to-daw nay about \$800 gr ation of railways, and as a result railways, and as a result railways, and as a result railways a hour 4600 per mile in taxation as against \$100 here. By following the examples on well set, we may secure be reforms herein advocated.

J. LETHBRIDDE, Master.

W. P. W. FISHER, Secretary.

SYSTEMATIC NK-KFFPI FOR FARMERS

A Book which will enable the Farmer to keep an accurate account of his business transactions with small trouble.

transactions with small trouble. No man with several thousands of doll are invested in his business can afford to be without some system of keeping accounts and thereby knowing just what departments are paring him the best profits. The above book is just what farmers need With but little trouble, the farmer can know exactly how his business stands, and will be in a position to greatly increase his

Keep accounts and know what brir in the money. This Book will be sent P. Paid on receipt of \$1.00, or sent Free i Two new subscriptions to The Canad Dairyman and Farming World. Write to

BOOK DEPARTMENT THE CANADIAN DAIRYMAN AND

FARMING WORLD PETERBOROUGH, CANADA



TWO CENTS A WORD READ BY 15,000 PEOPLE WEEKLY

THIS DEPARTMENT is one of the most valuable in the Paper. At a cost of only Two cents a word, you can advertise anything you wish to buy or sell, or situations wanted or

which to my or sent, or entuations wanted to THE ADDRESS must be counted as part of the advertisment, and each initial or a number counts as one. When reglies are to be sent to a bor at our Office, it centre extra is charged to pay, pointage on reglies to be sent to advertisers. Oppy pointage on reglies to be sent to advertisers. COPY must be received Friday to guarantee insertion in less use of the following week, NO BLACK-FACED TYPE or the making a small advertisement as noticeable as

FARMS FOR SALE

FOR SALE.—Extra good stock or grain 200-acre farm in Brant Co. Soil clay boam. Twenty-everon acres beavily time to the stock of the sto

OR SALE—459 ACRES, all cultivated, clay land, main road, school, churches, blacksmith shop, and post office within two miles, 120 acres summerfallowed, good frame buildings, Brantford wind-mill and crusher, erected last January; good water. For quick sale, \$20; half sash; balance half crop payments. David Morgan, Oxbow, Sash. E-10⁴

MISCELLANEOUS ADVERTISEMENTS

NATED.—Persons to grow mushrooms for us during fall and winter months. Waste space in cellar or outhouse can be made to yield fifteen to twenty-five dollars per week. Send for illustrated booklet. Montreal Supply Co., Montreal.

COLLIES FOR SALE .- Pair bitches, five months old, also tricolor dog same age. Sire, Strathardle Donald, ex., registered dam. Prices reasonable.—John McCor-

WANTED.—Single, man for large dairy farm. Only exceptionally good milkers with experience in feeding swine need apply. High wages for right man. Ap-ply stating experience and references, to A. Leitch, Manager, Donlands Farm, Donlands P. O., Ont. £-2-33

WANTED TO PURCHASE. — Up-to-date cheese factory in good locality. Not less than 10,000 lbs. daily. Apply, giving par-ticulars, to Box "A," Canadian Dairy-man. E-10-17

MARKET REVIEW AND FORECAST

***MARKET REVIEW AND FORECAST**

***Toronto.**

***Market Review And Forecast and the second of the control of the c

to Ste a hush.

The out market has an easier tone. At Montreal most arrivals are from Quebec and the state of the state of

FEEDs

The feed may be presented and the present a storing under a good demand which the dry weather has not lessened any. Supplies of bran are limited and are not likely to increase till the millers begin operations on a larger scale. Manitoba bran is quoted at Montreal at \$21 cot \$25 and shorts at \$50 cot, including bags, in car lots, and \$25 a ton, lettuding bags, in car lots, and \$25 a ton, lettuding bags, in car lots, and from the present the prese

fancy lo's: red clover, \$5 to \$5.59 and timbors of the control of

ducks, 12c to 14c a 1b.

The ample target of FRUIT

The ample target of the strong markets at lavergood astrocardors strong markets at lavergood and inferior qualities are not wanted. Some contracts for Spies are reported at \$1.55 a bbl. in the orchard, but the ruling price is \$1.8 mon choice fail fruit was offered last week in Ontario at \$5. a bbl. f.o.b, but did not get a buyer.

UNION STOCK YARDS HORSE EXCHANGE

EXCHANGE

The horse market shows signs of improvement. The supply in some lines is not equal to the demand. Many dealers last fall got nipped in their purchases in the country and are not so eager in their buying this year, preferring to wait till the season opens up well and they know where they are at. Quotations are no higher, but a better feeling prevails and the outlook is bright for a good business the country of the

car lots. Toronto freh.....

There is a second to see the market for likely to the large proportion of inferprices for seeds. The crop of alike is likely to be good. As yet the market for alike is largely a conjecture as the trade has not begun to open up yet and seed merchants are somewhat dubious about a high continued the proportion of the proportion of the proportion of the proportion of alike is largely a conjecture as the trade has not begun to open up yet and seed merchants are somewhat dubious about a high continued the proportion of the proportion of the proportion of inference and the large proportion of inference and the large

There were not many exporters offering and those arriving are not first-class. The bulk sold at \$4.00 to \$5 for steers, and \$3.50 to \$4.52 a cett for bulk. Quotations in a nominal way run up as high as \$5.00 but no quality good enough for this figure was on the market.

Choice butchers' cattle are worth \$5.00, a few weighing 1975 libs. each sold at this figure on Thursday and some at \$4.00 a figure on Thursday and some at \$4.00 a, the state of the best butchers' of each of the sold of \$5.00 to \$4.01, common, \$3.50 to \$4.01, common, \$2.50 to \$4.00, and camers at \$1 to \$2.50 a cwt.

UNION STOCK YARDS PRICES
West Toronto, ont. September 21, 1992.—
The ran at the Union Stock Yards this morning consisted of 66 cars, made up of 1388 cattle, 462 sheep, 57 hoge, and 25 calves. The cattle trade was slow, prices being lower for the quality of the stuff offering, which was poor. No exporters cold up to 55 a cert, though choice stuff steers, 1250 lbs each sold at from \$4 to \$4.52 a cert. Choice lots would bring more but \$4.59 would be the outside price. Calves are scarce, and sell at \$15 to 56 a cert, with choice ones going as high as \$50.9 Sheep, and lambs were steady at \$4.75 to \$8 for \$4.85 a cert for lambs. Hogs are higher and are quoted at \$7.65 off cars at the packing house. This means well up to \$7 a cert for the country points.—J.W.W.

THIS WEEK'S HOOG PRICES

THIS WEEK'S HOG PRICES

The William Davies Co., Toronto, will pay \$6.75 f.o.b. at country points this week for hogs. This is 10c a cwt better than last week's quotations though they

"Dr. Williams" **FLY & INSECT** DESTROYER"

rotects Horses and Cattle from Fly Pests and Vermin. Guaranteed to Kill the Flies. Perfectly Harmless. A Grand Disinfectant and easily applied.

It is possible to have positive freedom from Flies, Lice and Vermin which usually affect Fowls, Cattle and all Live Stock. This is the first preparation that actually does all that is claimed for it. Farmers who have spent many weary summers fighting Flies and Insects and the following winters ndeavoring to get rid of Lice and Vermin in Poultry Houses will find

DR. WILLIAMS' FLY & INSECT DESTROYER their "right-hand man

After using this Exterminator cording to directions you will find a decided improvement in all your stock.

Unaffected by Heat or Frost end for printed matter, or \$1.00 for 1-2 Gallon Tin and Sprayer

THE F. WILLIAMS CO. Morrisburg, Out. Madrid, N.Y.

Ask Your Dealer for it AGENTS WANTED

Cheese Board Prices

	WHITE CHEASE			COLORED CHEESE		
BOARD	Boarded	Lowest Price	Highest Price	Boarded	Lowest Price	Highest Price
Stirling Campbel 'ord Mados Mados W codstock W codstock Berockville Belleville Kingston V ankleek IIII Vankleek IIII Cornwal Cornwal Werth Brantford Picton	900 1,320 790 200 1,655 1,190 2,015 485 437 281 452 829 1,215 1,100	9-16	12 9-16 12 7-16 12 7-16 12 9-16 12 12 12 12 12 12 12 12 12 12 12 12 12 1	1,160 1,430 185 323 88 65 630 650 279 240 200 1,490	Ř 7-16	12½ 12½ 12½ 12½ 12½ 12.9-16 12.9-16 12½ 12½ 12½ 12½ 12½ 12½ 12½ 12½ 12½ 12½
QUEBEO FarnhamHuntingdon	339 131	237	23 <u>1</u> 23 <u>1</u>			

ere compelled to raise the limit in order to get the hogs. The same thing may oc-cur this week and a higher figure than \$6.75 have to be paid.

English market was excited last week with great variation in values due to an insufficiency of supply. With the Danish killings falling off and with a short hog supply here conditions seem favor-able for a continuation at least of pre-sent prices for hogs.

PETERBORO HOG MARKET

FRIERBORO MOG MARKET
Peterboro, ont., Sept. 2i, 1988—On account of the light deliveries of hogs the
local market is very firm as is the old
country market on account of the searcity of Canadian bacon. The deliveries
of Danish hogs on the English market are
increasing. The George Matthews Company quote the following prices for this
week's slipments f.o.b. country points,
weight off cars, 67.55,
weighed off cars, 67.55,

MISCELLANEOUS

LOCHABAR HOME FARM

Offers some high-class Shorthorn Bulls, Lelcester Rams and Ewes, sired by 'Knobs,' winner at St. Louis World's Fair, also at Portiand, Oregon, and other leading exhibitions. "Knobs" is also for sale, and some choice Berkshires, all ages. Write for prices.

D. A. GRAHAM, Wanstead,

PINE GROVE BERKSHIRES—Stock of all ages from imported and Canadian bred sires and dams of the choicest breeding for sale, and guaranteed as represented; with for particulars.

W. W. BROWNRIDGE,

lilton C.P.R. Ashgrove P. O. 0-10-2

THE HOMESTEAD HERD OF ABERDEEN ANGUS CATTLE... Present offerings: 8 months old bull, sire a Torouto cham pion, also cows and helfers of the choic est breeding. Must be sold to make room, at prices that will surprise you WM. ISCHE, Proprietor Sebringville, Ont

CHAS. GROAT, Brooklin, Ont., breeder of Clydesdales and Shorthorns, Gloster, Mead-owflower families. 0-9-15

LEICESTER SHEEP, CHESTER WHITE SWINE Toulouse Geese, Pekin Ducks, Bronse Turkeys, Wyandottes, S. C. Dorkings, In-dian, Golden, or Black Red Game Fowls Write for what you want, to

GEO. BENNETT, Charing Cross, Ont

J. A. GOVENLOCK, Forest, Ont. Here-fords. Canada's greatest herd of win-ners at Toronto and London, 197-198. Stock of all ages for sale. E-3-19-99

FEATHERSTONE & SON, Streets-e, Ont. Large Yorkshire hogs for E-11-09

H. HARDING, Mapleview Farm, Thorndale, Ont. Dorset sheep a specialty

MONTREAL HOG MARKET
Montreal, Saturday, September 19th.—
Prices show an advance on the week of
about 15c a cwt, largely due to the strong
advices from the other side which
strengthened the market here to some extent and foldened dealers here to operate
more freely than they have been inclined
to do for some weeks past. The bulk of
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firm at present rates. toir stock is selling at Fresh killed at about \$10 a

EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHEESE
Montreal, Saturday, September 19, 1992.
There has been decidedly more doing in cheese this week, and prices have scored an advance over those current last week on account of the increased demand is largely for September 19, 1992.

In the control of the increased demand is largely for September 19, 1992.

In the control of the control of the country, and as high as 13% was paid at 1876. We have a country, and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and as high as 13% was well as the country and in the country, nowers, the country, now the prices will be maintained as there is no speculative element whatever in the trade, dealing the country of the price of cheese in Canada this month is likely to govern the make of cheese in New Zealand this year. If the price of cheese is relatively higher than that of butter the New Zealanders will make cheese, and at present there is every in-dication that cheese will be made there, wherever they have facilities for doing

The colors will be made there, the color of the color of

MONTREAL PRODUCE TRADE. Montreal, Saturday, September 19th.

SAMUEL CUDMORE, Hurondale, Ont., importer and breeder of Dorset Shoras

B4015 to the retailer although there is every

prospect of an advance next week on ac count of the increased cost at factory points. We quote faney creamery at 25 with prints 1/ce more. Ordinary finest is selling at about 24c and selected dairy at

EGGS.—There is no material change in the egg market. Quotations are practically unchanged from last week and rule, selects at 24e, and No. 1 stock 26e to 21e, and No. 3 at 17e to 18e. Dealers generally look for an easier market next week with heavier receipts and perhaps slight-

by lower prices.

CHEESE.—There is a fair trade in cheese locally at prices ranging from 12% to 14e a lb, according to quality.

DAVID A. MACFARLANE, Kelso, Que Breeder of high-class Ayrshires, deep milkers, good testers, and good lo Several young buls for sale, prices

BURNSIDE AYRSHIRES BURNSIDE AYRSHIRES
CHAMPION HERD OF CANDAY: CHAM
FION HERD AT NATIONAL SHOW IN
CHICAGO, 1907. The home of Imported
Denty 9th, of Auchenbrain—1557—with a
fat in 12 month.

Fig. 1907. The home of Imported
Have already qualified in the Record of
milk and fat. Hord headed by Barches
milk and fat. Hord headed by Barches
diah bred stock of all as R. MSSS,
E. 8, 15.90

E-9-15-09

STONEHOUSE STOCK FARM Here may be seen some of the best Ayrshires in Canada, Imported and home bred. Record of performance cows and heifers

Prices of stock quoted on application. HECTOR GORDON, 0.9.8.09

AYRSHIRES AND PONIES A few bull calves of 1908, and a fine pair of young light bay imported Shetland mares for sale. P. A. Beaudoin, 107 St. James St., Montreal.

0-6-2-09 NEIDPATH AYRSHIRES Bull Calves dropped this spring. By imported Bull. First prize Toronto, Ottawa, and Halifax. Long distance phone

W. W. BALLANTYNE, Stratford, Ont.

SPRINGBROOK AYRSHIRES

are noted for being large producers of milk, testing high in butter fat. Young stock of all ages for sale. A few choice bul i calves of 1908 now ready to ship Prices right. Write or call on W. F. STEPHEN.

E 4-1-09 HIGH-CLASS AYRSHIRE BULL FOR SALE

SENATOR OWENS, of Montebello, offers ft sale his Stock Bull "Not Likely of st. Anne 19740," both sire and dam imported. Can he see at the Central Exhibition, Ottawa, with a strin of his stock, which proves him to be a gran Dairy Bull.

SUNNYSIDE AYRSHIRES

Have been bred and imported with a view to combine quality with production The herd contains some noted winners Nether Hall Goodtims (Imported) now heads the herd. Young stock for sale Address-

J. W. LOGAN, Howick Station, Que

LAKESIDE STOCK FARM Ayrshres, Clydesdales and Yorkshires, imported and Canadian bred. I offer for sale several young bulls, 8 months old, also bull and heffer calves of 1998, all from milking stock. I have on hand a number of choice Yorkshire sows several months old. Write for prices.

GEO. H. MONTGOMERY, Prop. Philipsburg, Que. ky. 0-5-19-09 St. Armand Stn., C. V. Ry.

RAVENSDALE STOCK FARM Ayrshires, Clydesdales and Yorkshires, Imported and Canadian bred. I offer for sale my stock bull "Bright Star of Glen-ora," 1633, and "North Star of Eaven-dale," 8 months old. Orders booked for calves of this year, also orders taken for July litters of Yorkshire pigs.

W. F. KAY, Prop Philipsburg, Que.
St. Armand Stn., C. V. Ry. 05-19-09 O-4-21-09

HUME FARM AYRSHIRES

Our 1980 importation has handed, con-sisting in females of 3 year rids, 3 year olds, yearlings and calves. In bulls, year-lings, and calves, dams record up to 1,100 lings, and calves, dams record up to 1,000 calves from our own Record of Mark states, and the Record of Mark States, and the Record of Mark States, and the Record of Record of Record States, and the Record of Record of Record States, and the Record of Record of Record of Record States, and the Record of Reco see our herd. Station, G.T.R. E-19-28-00

ALEX. HUME & CO., SPRINGHILL AYRSHIRES

Imported and home bred stock of all ages for sale. See our stock at the leading shows this fall. Write for prices, ROBT. HUNTER & SONS

Maxville, Long distance phone.

STADACONA AYRSHIRES
THE CHAMPION AYRSHIRE COW THE CHAMPION AYESHIRE COW
of Canada, for milk, according to the last
Herd Book, is Daisy, of Carlhein, Reg. No.
11,56. She qualified for Advanced Registry with 11,37 lbs. I own her yearling
bull, which is for sale at a reasonable figure. He is vigorous, quite large for his
acc, and should make a first class herd
acc, and should make a first class herd
person, and price, apply to

GUS. LANGELIER

Ayrshires on Ste. Marguerite Farm have been selected from the best milking strains in Scotland, are large showy ani-mals, with great milking ability. A num-ber of young bulls for sale ranging from 2 years to several months. Also Tam-worth pigs and Shropshire Sheep. Write for prices.

P. A. GOUIN, Proprietor, Three Rivers, Que. E-12-9-08

STONEYCROFT STOCK FARM

Harold M. Morgan, prop., Ste. Anne de Bellevae. Choice young Ayrahire Bulls and Heifers for sale. Vorkshire pigs from Imported Sires and Dams, February and March litters. Largest selection. High-est quality. Write for prices. E 5-25-09 E. W. BJORKELAND, Manager.

HOLSTEINS

sire, head of herd.

H. E. GEORGE.

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I have only three sons of Brightest Canary to offer for sale. Speak quick if you want one.

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