Issued Each Week-Only One Dollar a Year

VOL. XXVII

NUMBER 40

# The CANADIAN LINE CANADIAN IN AND LINE CANADIAN IN AND LINE CANADIAN TO THE PROPERTY OF THE PR

PETERBORO, ONT. OCTOBER 21, 1908



AN EXTENSIVE MARKET GARDEN IN BRITISH COLUMBIA

This field is located near Armstrong, in the Okanagan Valley. It produced 20 tons of marketable cabbage per acre, and 1-1 tons 140 pounds of marketable potatoes per acre. No fertilizers were used.

This shows the remarkable fertility of land in the valleys of the Pacific Province.

DEVOTED TO

BETTER FARMING AND
GANADIAN GOUNTRY LIFE

# THE ONLY WAY To Know the True Value Of a Cream Separator

Is to have one sent to your farm for a free trial. There are so many makes, each with their claim for superiority, that it is no wonder that one's brain becomes mixed when trying to decide which is the best,

## THE SIMPLEX LINK-BLADE

is the only machine that can lay claim to being the best, and it must be, as thousands of users say so.

#### WHY The Simplex?

Because it is the only Separator that contains the Link - Blade System of separation, which is acknowledged by Separator Experts to be the best method known of separating cream from milk,

#### WHY The Simplex?

Because it is the only Cream Separator that has a Self - Balancing Bowl with the Link - Blade device. You, who have had troubles with spring spindles and bowls getting out of balance, will know just what amount of trouble it overcomes to have the bowl Self-Balancing.

#### **HAVE A Simplex**

Sent to your home for a Free Trial. After you have used it a week and tested its easy running and close skimming qualities YOU will know it is the best.

WRITE OUR NEAREST AGENT FOR-PARTICULARS OF OUR FREE TRIAL OFFER

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

#### Rural Mail Delivery

The rural mail delivery which is being put into effect along several stage routes in older Ontario is being inaugurated under the following con-

stage routes in claser Ontario is centificangurated under the following conditions:

Inaugurated under the following conditions:

Inaugurated under the following conditions:

Inaugurated in a control and not within one-quarter mile of the correct of a condition or village, who desires his mail deposit-route by the mail courier may take a condition of the courier with the courier with the courier without diamounting from his vehicle or horse. This box can only be obtained from the Post Office.

The price of the box, together with all the necessary fittings, except only the post on which it will be erected, cannot be determined at the present time, inasmuch as the price will very materially depend on the number of boxes required. The Department is the trial routes and erecting them, leaving the price to be determined after it is seen what the full number of boxes required to equip the existing routes will be. Several thousand boxes have been ordered for the trial routes. On thing is absolutely certained to the courier will be several thousand boxes have been ordered for the trial routes. On thing is absolutely expended to the charged the patrons using the boxes.

The post to which the box is to be

ing the boxes.

The post to which the box is to be The post to which the box is to be permanently attached, and which is to be provided by the patron, must be approximately four feet two inches above the road level, and must be erceted upon the roadsides os as to be conveniently reached by the courier without leaving his rig or dismounting from his horse. Each box must have conspicuously painted or stencilled upon it the name of the patron or owner.

owner.

Any person living off the line of travel of a rural mail courier is at liberty to purchase and erect one of these boxes at the cross-road or any other point on the courier's route for the reception of matter addressed to him or mailed by him as the case may be.

him or mailed by him as the case may be.

In addition to carrying the mail to the various post offices on his route the convective from any postmaster on the route any mail matter that may be entrusted to him outside of the usual mail bag, and shall carry such mail to and deposit it in the proper rural mail box placed on the line of the route for this purpose. He will also be required to collect the mail from the rural mail boxes erected along this line of travel and to deposit the same in the next post office at The services performed by the courier will be without charge to the persons sending or receiving mail, but the Department will allow the courier a fixed sum per annum for each box served by him on his route.

#### Rules of Dairy Herd Competition

As announced some time ago in As announced some time ago in these columns, the Dairymen's Asso-ciation of Western Ontario will con-duct a dairy herd competition open to patrons of cheese factories and creameries in Western Ontario. The creameries in Western Ontario. The prizes are mentioned before, are in two groups of five prizes each, one group for cheese factories and the other for creamery patrons. The association offers \$100 in cash prizes in addition to the two medals donated by Ryrie Bros., Toronto.

In the cheese factory section, the prizes, are (1) silver medal and \$15 cash to the patron who furnishes the largest amount of milk per cow to any cheese factory in Western Ontario, from May 1 to October 31, 1908; (2), \$100 form May 1 to October 31, 1908; (

cash; (5), \$4 cash. The prizes in the creamery sections are (1) a bronze medal and \$15 cash to the patron who furnishes the largest amount of butter fat per cow to any creamery in Western Ontario from May 1 to October 31, 1908; (2), \$15 cash; (3), \$10 cash; (4), \$6 cash; (5), \$4 cash.

cash.

No herd of fewer than eight cows will be allowed to compete in the competition. The figures upon which the awards will be placed must be taken from the cheese factory or creamery books and the number of cows and the total and average creamery books and the number of cows and the total and average amounts of milk or butter fat must be certified to by the cheese or butter-maker and the secretary of the cheese factory or creamery. The average factory or creamery. The average amount of mile or butter fat per cow must be calculated on the basis of the total number of cows from which milk or cream is sent to the factory during a season of six months. No substitution of one cow for another will be allowed.

will be allowed.
All applications must be is the secretary's hands on or before Nov. 30, 1008. They should be addressed to Frank Herns, Sec. Western Dairymens' Association, London. Applications must be filled out and returned to the secret. ye becember 11th, after which the investigating committee will be sent to verify the statements. There will be no fee to enter the competition but every applicant must be a member of the Western Ontario Dairymen's Association, the fee for which is \$1.

#### The Case Against The Milk Producers

At a recent meeting of the Toronto Retail Milk Dealers' Association it was decided to press the case against the officers of the Toronto Milk Producers' Association who were charged recently Association who were charged recently with being a combine in restraint of trade because the farmers, who were members of the association, recently agreed upon a price at which they would sell their milk and refused to sell as individuals to the dealers at sell as individuals to the dealers at prices or under conditions not approved by the association. The Canadian Dairyman and Farming World is in receipt of a letter from one of the offects of the Milk Producers' Association stating that they do not expect that the dealers will press the case as in the preliminary proceedings that were held some time ago the dealers had made out a very poor case against the producers.

had made out a very noor case against the producers.

It is a poor rule that will not work both ways. For some years the members of the Retail Milk Dealers' Association of Toronto have held regular meetings and twice a year have agreed upon the prices that they would charge the milk consumers of Toronto for their milk. It would be an easy matter of the milk of the even better.

their chances of success would be even better.

Even should the dealers succeed in gaining a decision against the Milk Producers, which is something that is not better their sources of the source of

AGRICULTURE, THE KEYSTONE OF CANADIAN PROSPERITY

Vol. XXVII.

FOR WEEK ENDING OCTOBER 21, 1908

No. 40

#### A JUDGE WHO IS A FARMER

TON. Justice R. C. Clute, although a judge in the Supreme Court of Ontario, believes that farming is the noblest profession of all. When court commences he has, of necessity, to attend that he may help to settle the disputes of his fellow men. When court closes he retires with pleasure to his farm at Aurora, Ont., some 25 miles north of Toronto, where he spends the greater part of his vacations. On this farm Justice Clute is trying some interesting experiments in agriculture.

Not having had the benefit of a practical training in agriculture Justice Clute has endeavored to equip himself to manage his farm successfully both by observation and by reading the books on agricultural subjects that have been written by the leading agriculture authorities of the continent. His library includes such books as Successful Agriculture, by Wm. Rennie, Sr., various works by the late Prof. Henry, of Wisconsin, Roberts of Cornell University, L. H. Bailey, Land Drainage, by Miles & Waring, Cattle Breeding and Management, by Warfield, and numerous books on Landscape Gardening.

In this way he has gained a fund of valuable information that thousands of successful farmers, who have spent their lives on their farms, might

well wish to possess.

Sometime since, when Justice Clute found it necessary to do some underdraining on his farm, he first purchased three or four books dealing with underdraining. By reading them carefully he soon acquired a thorough knowledge of the principles of underdraining and thus was able to give some of the men on his farm information on the subject that was of great value to them. In the same way Justice Clute has studied the most modern methods of growing soiling crops, ventilating farm buildings and kindred subjects and now he is applying the information that he has thus acquired to good advantage in the management of his farm.

This farm was purchased in 1903. Previous to that period Justice Clute obtained considerable experience in farming through a large wheat farm that he owned in Southern Manitoba, from 1881 to 1897. During those years he met with the reverses that are always to be expected. Three different years he lost practically every crop on his farm? One year through hail, one year through drought, and a third year through an early frost. Even these reverses did not dampen his interest in agriculture.

#### FROM BEEF TO DAIRY CATTLE

When his present farm was purchased in 1903, he stocked it at first with some excellent purebred Shorthorn cattle, Shortly afterwards, when the price of beef gave indications of falling off, and the price of dairy products was advancing, and about the time the United States breeders succeeded in having restrictions placed on the importation of Canadian pure-bred cattle into United States, Justice Cluie concluded that in Ontario at least more money could be made in dairy cattle than in beef cattle. He, therefore, disposed of his Shorthorns and replaced them with Ayrshires, his foundation stock being secured from stock purchased of Mr. Wm. Stewart, the well known Ayrshire breeder at Menie.

Justice Clute believes that on his 110-acre farm he ought to be able to keep at least 30 milk cows and an equal number of young stock. He does not go as far as those who advocate the keeping of one cow to the acre. In order that 60 head of cattle may be kept on his farm he is gradually enriching his farm and introducing methods of management that he believes will enable him to accomplish his purpose. "I am very much impressed with the soiling system of feeding cattle," he told a representative of The Canadian Dairyman and Farming World, who spent an enjoyable day at his place recently. "I believe," he said, "that in many cases cows can be kept in the stable during the hot summer months and fed on soiling crops more cheaply than they can be pastured. Breeding cattle should, however, be turned out at night as they need exercise and will do better if they get it at night. Some people claim that cows do not need exercise. I am persuaded however, that they do as they seem to enjoy getting out. It is a matter where we should consult During the pleasure of the cows somewhat. August, the cows were fed in the stable on alfalfa, when it was in proper condition and on corn cut fresh."

The farm comprises 110 acres of excellent land well watered, there being a running stream in every field. It is essentially a dairy farm. The stock comprise 41 head of cattle including 16 excellent Ayrshire milch cows, eight yearling heifers and a splendid three-year-old bull, violet's King of Burnside 22,585, sired by Barcheskie King's Own, the champion Ayrshire bull of Canada during 1906, 1907 and 1908. There are 17 head of young stock.

#### RUN ON A PAVING BASIS

Unlike some wealthy people who have taken up farming more or less as a pleasure, Justice Clute is not expending any large sums of money in his farm operations. The buildings that were on the farm when he purchased it have been utilized, They have been improved in various ways, such as by the installation of a system of ventilation in the stables, the raising of the ceilings and the erection of a silo and milk house, but all in a manner within the reach of almost any ordinary

One thing Justice Clute believes in strongly and that is that the farm house and surroundings should be made as attractive as possible. His farm foreman has built a commodious verandah across the front of the house that is greatly enjoyed by the members of the family. There is a lawn at the front and on both sides of the house. A rustic gate, made out of cedar posts, has been erected at the entrance to the drive-way which

#### WE WANT A NEW NAME FOR OUR PAPER

We want to receive suggestions from our readers for a new name for our paper. The present name "The Canadian Dairyman and Farming World" is too long. It takes up too much room. It takes too long to speak it, and to write it.

World" is too long. It takes up too much room. It takes too long to speak it, and to write it.

Can you suggest a better name? We want a name that will be short and one that will stand for something. It must show, first and
foremost, that this paper is devoted to the great farming interests. It must show, also, that it is devoted, as well, to the great dairy industry, the
most important single line or the control of the control of the great dairy industry, the
most important single line or the control of the co

#### REASON FOR THE PRESENT NAME

The present name of the paper was adopted last winter when The Rural Publishing Company, Limited, purchased the two papers, The Canadian Dairyman and The Farming World, and united them in the present publication. The new name would have been introduced at that time but for the fact that the two papers were united immediately after their purchase was completed leaving no time in which is announce the adoption of a new name. It was decided, therefore, is retain, for the time being, the names of both old papers in order that the subscribers and advertisers, of both papers might not be confused by the sudden a change.

Our subscribers are asked to bear in mind that while we are planning to change the present name of the paper no other change of any kind will be made except that the present features are to be strengthened and improved. In every other respect the paper will be conducted and managed just as at present. The new name will not be adopted until the first of next year.

Now! who will be the first to submit the winning name? Let us hear from you SOON.

THE RURAL PUBLISHING CO., LIMITED.

crosses a rustic bridge, also made out of cedar posts. Neither the gate nor the bridge are expensive and they could be duplicated by any farmer. Shrubs and flowers are being grown in a small plot at the back of the house and later will be so transplanted, that when they grow up they will serve to keep much of the view of the stables from the house.

Justice Clute is fortunate in that he has as manager of his farm Mr. Russell, who has had practical training as a farmer. The agreement with Justice Clute and Mr. Russell, reached when they commenced the joint management of the farm, is working satisfactorily. Justice Clute owns the farm and all its equipment, including the live stock. Mr. Russell has charge of the management of the farm, engages the help and takes this responsibility from Justice Clute. The profits from the farm are shared equally between them. If any of the farm implements have to be replaced they each bear their share of the cost. Both anpear to be thoroughly satisfied with this arrangement and the farm shows the result of the careful management it is receiving.

"I study the books on agriculture and the experiment station bulletins," said Justice Clute, "and when I find information that I believe will be of value to us I wait until a rainy day comes, or some other good opportunity, and then Mr. Russell and I go over it together and decide just how much of it we can apply on the farm.

#### LIKES ALFALFA

"I think that there is nothing that can be grown on a dairy farm to better advantage than alfalfa or lucerne. Four years ago we sowed 2% acres of alfalfa. Notwithstending the fact that it has not been given a good chance, inasmuch as the stock have been allowed to crop it down in the fall, it has produced splendid crops. Last fall I put about 60 pigs, young and old, on this alfalfa and it was astonishing how well they did. They all enjoyed it. This year we have cut 61/4 tons of hay off that land and although it has been cut only a week it already has made wonderful growth. If the farmers of Canada fully understood the value of good drainage and alfalfa I believe that they could add 25 per cent. to the productiveness of their farms and that, I feel, is a low estimate

"This year I have sowed eight additional acres of alfalfa and next year I will put in eight more. I want to grove 25 or 30 acres of alfalfa and the same acreage of corn. I am not keeping any hogs now and, therefore, do not require so much grain. Corn stands first as regards the quantity of feed that can be grown to the acre and lucerne is a close second. In fact I am not sure that lucerne does come second to corn as the more experience I have with it the better I like it. I have read a number of books relating to the growing of lucerne and the experience I nave had with this erop bears out all that I have read."

#### A SPLENDID SILO

A silo that has been erected by Justice Clute is one of the best of the kind we have ever seen. It has been up for three years and is 14 x 30 feet. It is built on a cement foundation and cost complete \$214.00. This included the cost of hauling the gravel, the purchase of the lumber and the painting of the silo. Although it is a wood silo, no iron hoops were used. The frame-work consists of upright scantlings 2 x 4 inches set 14 inches apart. These scantlings are of different heights in order that the strain of supporting the structure may be divided. The lumber is a half inch thick by six inches wide, planed on one side. There is a double boarding on the inside and the outside is a clapboard finish. There is a dead air space between the lumber. "I consider this dead air space," said Justice Clute," is of great importance as it assists materially in preserving the silage in good condition. It is most important also that in the construction of a silo only the best lumber shall be used. A few dollars spent in purchasing good lumber will prove a wise expenditure. It is well, where possible, to secure boards free from knots.

Where this cannot be done, when the knots come out they should be sealed over with tin."

Justice Clute purposes trying an interesting experiment. He is going to take his first crop of alfalfa and put it in the silo green that it may be used for summer feeding. Experiments of this kind have been tried by others with more or less success. He realizes that this system of feeding is still in its experimental stage but thinks that it is worth trying. This feed will be kept in a new silo that is being planned. For soiling crops, Justice Clute, grows nothing but corn and alfalfa.

The system of ventilation used in the cow stable is a combination of the Rutherford. King and cotton systems. Pipes in the form of the capital letter U run from the outside to the inside of the walls of the barn. From the outside they rise three or four feet above the ground and on the inside of the wall about five foot The windows are so constructed that one foot, at the top of each window, is on hinges opening on the inside. Cotton is placed over these openings. When the wind is high the windows can be partially closed thus controlling the quantity of air admitted Small openings in the ceiling let out the foul

air. Justice Clute believes that if these outlets were carried down to near the floor it would be an improvement, as the warm air near the celling would not be allowd to escape and the impure air near the floor would be drawn off. The stable, he states, is never damp in winter nor is there ever any foul door.

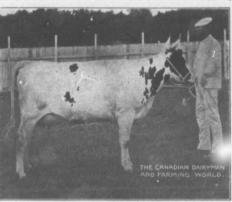
"Any farmer," said Justice Clute, "can put U
pipes in new barns at a cost of not over 25c a pipe.
Old barns can be fitted with a system of ventilation such as I have at a cost of not over \$5.00.
There is absolutely no reason why every farmer
should not have good ventilation in his stable.
In the winter, on very windy days, when I find
that the air is entering the stable too rapidly, I
control it by throwing a piece of bagging or cloth
over the intake pipes. In this way the air is
then admitted at a normal rate."

#### SHIPS HIS MILK

All the milk produced on the farm is sold to the City Dairy, Toronto. Justice Clute, holds some very strong views in regard to the decision in the milk award last year made at the time the Toronto milk producers went on strike for a higher price for their milk. He feels that the arbitrators did not understand the difficulties under which the farmers produced their milk. "The City Dairy," said Justice Clute, "by its published statements shows that after paying all expenses and good salaries it still gives its shareholders a dividend of 7 per cent. I would like to see the farmer, who after allowing himself, his wife, and his children a reasonable sum for their services, is making 7 per cent. interest out of his farm. I do not believe that there is a farmer who is doing it and it is because the farmers have to buy everything they need on the farm, their implements, their clothes, their building material, &c., the prices of which, in most cases, are set by the manufacturers by an agreement among themselves."

BETTER BREEDING METHODS NEEDED
Justice Clute is a great lover of good horses. He
holds that indiscriminate breeding is causing the

farmers of Ontario an annual loss of millions of dollars. "Twenty years ago," said Justice Clute, "I advoacted that the government should cooperate with the farmers by insisting that unsound stallions should not be allowed to travel the country and by assisting in introducing a better type of stall'ions. I am willing to give \$400 for a good combination horse that can be used for driving or the saddle. I have been looking for such a horse for several months, and have been unable to find one. Such animals would sell faster than they can be produced and yet very few of them are produced by farmers." Justice Clute is very



Southwick Meg. (Imp.)

1st in two-year-old class at the Sherbrooke and Ottawa Exhibitions, 1966 Owned by
Hector Gordon, Howick, Que.

much in favor of the legislation being asked for by the Horse Breeders' Association of Ontario, mention of which has been made from time to time in these columns.

Among the improvements that have been made on the farm since Justice Clute took charge have been the reconstruction of the barns, the erection of a commodious and well constructed milk house, and the installation of a system of watering the cows in the stable. The water is first filtered through a bed of sand before it enters the well. Considerable underdraining has been done.

In the course of conversation Justice Clute summed up his view of farming when he said: "It isn't the money you make out of it, but it is the doing of each farm operation to the best of your ability." Any farmer who would like to visit Justice Clute's farm may rest assured that he will receive a hearty welcome and that any information that can be furnished to him will be given gladly.—H. B. C.

#### The Potato Harvest

John Fixter, Macdonald College, Que.

Now that the potato harvest is under way, great care should be taken to see that the crop is stored in a suitable place, especially when it is to be used for seed purposes. More depends on this than many of us realize. Too often, potatoes are put in cellars that are either too warm or too cold, with the result that their germinating power is greatly reduced.

In the spring, farmers break the sprouts off potatoes and plant the potatoes. They do not realize that these sprouts have taken considerable strength out of the potatoes. Later, when the potatoes do not do well, they wonder what the reason was and blame the weather, or something else that had had nothing to do with it.

#### WHEN TO DIG

Do not dig potatoes either too early or too late. If they are left out too late the frost will injure the germs in the seed potatoes and reduce their

yield the following year. A temperature of about 40 degrees should keep potatoes from sprouting and yet keep them in good condition. Potatoes that show signs of rotting should be separated from the rest.

#### DIGGING MACHINES

A farmer who grows only an acre or two of potatoes can make a splendid digger at but slight expense. Secure an old plow that has been cast aside. Take off the mould-board and attach the two hanfilles to a standard. Get your blackmith to make an attachment that will go on the sole of the plow and have four prongs, extending out behind the plow and slanking upwards with an elevation at the back of about eight inches. This will make an excellent and cheap potato digger.

Where potatoes are grown more extensively a more expensive digger will give better results. A digger with a large revolving wheel behind, that I have used has given me good satisfaction. It is not wise for the average farmer to buy very large diggers as they require too much horse power and they are too complicated. Two teams of horses are required to work them properly.

#### Preparing Colonies for Winter Quarters

W. I. Holterman, Brant Co., Ont.

The time to prepare bees for winter quarters is now at hand. Next year's honey crop depends largely upon the condition in which bees emerge from their long confinement.

Each hive must have a queen at this season of the year. If a stock of bees is queenless when put away for the winter we are certain of losing it before next year's honey season. The quickest way to make sure a hive has a queen, is to pull out one or more of the centre combs from the brood chambers, and examine them. If eggs are laid uniformly in a cluster at the bottoms of some of the cells, we may be sure a queen has been present within at least three days. If no eggs are localities where buckwheat, goldenrod, etc., are to be found, the drones are allowed to ren iin much longer in the hive, than is generally the case. However, there is very little chance of suitable weather so late in the season.

#### REQUEENING THE COLONY

The beekeeper who depends largely upon his colonies for a living, either has young mated queens ready for just such an emergency, or has ordered a few from a queen-breeder, and introduces these into his hives. September is a good time of year to supply young mated queens to colonies, whether queenless or not. Queens may be obtained through referring to advertisements in any of the leading Bee Journals.

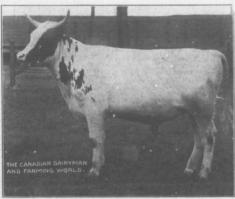
After we are assured that the hives have each a good laying queen, the next consideration, and probably one of as much importance, is to make sure that each colony has an abundance of fresh capped stores for winter consumption. Old honey should not be allowed to remain in the hives from year to year as there is a great danger, of a large percentage of pollen being in it and pollen is the chief cause of dysentery, and consequent loss of bees.

One of the worst enemies to wintering bees successfully, is honey dew. This is produced by a plant louse, which is often found upon the under side of oak leaves. When the iouse has eaten its fill it squirts a drop of sweet liquid upon the leaves under it. Bees, probably attracted by the smell, gather this honey dew. Oak trees seem to be alive with bees, when much honey dew is present. Honey dew has a dark, almost sootly appearance, and when much is present most of the honey should be extracted and sugar syrup fed in place of it.

#### MAKING THE SYRUP

To make the syrup take two parts of granulated sugar to one part water, heat over a fire until the sugar is all dissolved. Then bring it to

a boil. It should be kept from burning by frequent stirring. To. feed the syrup, place a quilt over the tops of the combs in the broodchambers, then place a super on top of this, and after turning one corner of the quilt back a couple of inches, set a pan of warm syrup in the super. Throw in some straw, or sticks of wood for the bees to stand on while they are taking the syrup. Cover the whole over with another cloth and then place the cover on the super. Be sure the super and broodchamber fit tightly, as a crack large enough for the entrance of one bee may mean the loss



Morton Mains Southorpe (Imp.)

1st in Junior Yearling Class and Diploma for best Ayrshire male at Halifax, N. 8.,
and St. John, N. B., exhibitions, 1996. Owned by C. A. Archibald, Truro, N. S.

present, but instead young grubs or capped brood are to be found, we may yet be fairly certain that the hive has a queen. In such a case she has probably stopped laying, owing to the lack of honey for brooding.

To the person who merely keeps a few colonies for his own table honey or a small quantity of marketable produce, requesting is an almost impossible proposition, for this season. If a comb of young brood and eggs is given the queenless colony, the young queen, taking three weeks to hatch from the egg slage, will arrive too late in the season to be properly mated, although in some of the entire colony through robbing.

An eight-frame colony of the Langstroth type should weigh at least 60 pounds, before being packed for the winter, whether wintered outside or in the cellar.

There are many arguments as to whether bees do better, in the cellar or packed in outer-cases. However, it is acknowledged that if they are to be packed outside in outer-cases, a thickness of from six to eight inches of forest leaves is necessary around the sides of the hive. An entrance should be kept by putting a bridge around and over the entrance, to allow a free passage of air

into the hive, and also to allow the bees to dispose of their dead as well as to take every opportunity to fly. The more flights the bees have during the winter and early spring, the less likely they are to have dysentery. It is well to have a straw mat, or a cushion packed with leaves, placed over the tops of the quilt over the combs; then the cover is put on top of this. The mat absorbs the moisture that condenses over the tops of the combs and keeps the bees dry and warm.

If possible the entrances should be turned toward the south. This is impossible when four hives are packed together, as a great many winter them. A sheltered place, where the snow does not drift in is a very suitable location for wintering.

#### WINTERING IN THE CELLAR

A clean dry cellar where the temperature varies but slightly, and where the bees will be little disturbed, and kept dark, is a very suitable place to winter bees. It is less work to simply carry the hives into the cellar, remove the combs, place a straw mat or a cushion of shavings or leaves over the tops of the combs,-not removing the quilt, then pile them one above the ôther, leaving the covers off. The entrances of the hives must be kept free from dead bees. This may be done by very gently taking a wire or similar tool, and running it along in the entrance thus seeing that it is free from blockage. The temperature of the cellar should be kept about 42 degrees F. if possible. No light should be allowed to get into the cellar as the bees will fly to it and become lost. When cleaning entrances or in the cellar with the colonies, a candle should be used for illuminating purposes.

#### A Promising Improvement in Mangels

H. C. Duff, O. A. C., Guelph

The results of experiments at the Ontario Agricultural College, point towards the possibility of a farmer producing his own mangel seed with profit.

In the fall of 1906, a few desirable mangels were stored away at the college and were re-planted in the spring. From seed thus obtained, plots were sown in 1907, which gave yields ranging from 29 tons to 38.5 tons an aers. The three highest yields were 58.5, 50.9 and 49.2 tons an aers. For the same year the Yellow Levistham which has proven to be the best yielding European variety, gave a yield of 39.7 tons an aers. Such a difference is striking, and should induce farmers to experiment in this direction.

Very few roots would be required to produce the quantity of mangel-seed sown by the average grower. One plant yields, under faworable conditions of soil, temperature, etc., a large amount of seed. The soil at the college is a clay loam but, from experience in growing sugar-beet seed, we believe that light soil forces the rapid formation of seed just as the girdling of an apple tree forces the rapid formation of fruit buds.

Most of our mangel seed is brought from European countries where the winters are free from heavy frosts. In such climates the roots are left in the soil during the winter months and accordingly little labor is involved in harvesting the seed. In our severe climate, mangels grown for seed must be stored away in the fall and re-planted in the spring. The extra labor involved is likely to prevent the production of Canadian seed for commercial purposes.

While the area of the turnip crop in Ontario, is almost 15,000 acrea less this year than it was in 1906, it is significant that the area of mangels has varied very little in the same period. Being immune from such pests as the turnip louse and blight mangels are growing in popularity with every prospect of becoming our main root crop. Consequently any improvement that can be made in the yield of the crop is worthy of attention.

Photographs and articles are always welcomed for publication in these columns.



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If you need a cream segrator, con. He will supply you with catalogs and full particulars. Or, if you prefer, write direct to the nearest office. You will be interested in securing a copy of "Development of the Cream Separator," or colored hanger which will be mailed on request.

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THREE BULLS, including "Netherhall Robin Hood " (Imp.)

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A Pure Bred Yorkshire, Berkshire or Tamworth Pig, 4 to 8 weeks old, and with pedigree eligible for registration, sent free for seven new yearly subscriptions to this paper at \$1.00 each.

## The Feeders' Corner

Pulped Apples for Cows

Would you kindly inform me through your paper regarding the feeding of pulped apples mixed with chopped grain to cows? Are they injurious, or are they productive of an increased supply of milk? What would be a reasonable quantity to feed? Some people claim apples decrease the flow of milk—G. S., Waterdown, Ont.

down, Ont.

Apples can be fed with profit to dairy cowa. Many are of the opinion that apples dry them up, as you state. If fed in too large quantities, this assertion is all too true. When fed judiciously, however, in moderate quantities, they are an excell..nt food. We have fed them for years and at one time, they are not seen to the control of the scoop shovel full to each cow twice a day. Having never weighed the quan-tity, it is difficult to state just what it would weigh. Any grain fed was mix-ed on top of the pulped apples in the manger. Of course it is not safe to feed whole apples to cattle as there is danger of choking.—J. C.

#### Early Feeding Pays

Ed., The Dairyman and Farming World:—We believe in stabling our cows at nights as early as it becomes cold or wet. When silage is plentifully from the silo. When the corn is scarce, we found that the scarce we found the scarce we found that the scarce we found the scarce we found that the scarce we found the scarce we found that the scarce we found that the scarce we found that the scarce we found the scarce we found the scarce we scarce we found the scarce we found the scarce we scarce we s from the silo. When the corn is scarce, we feed chaff and roots for a time in addition to a little meal composed of oats, barley and peas. In our experience, the early feeding of cows in the fail pays handsomely. Cows or any other stock should not be turned away hungry in the morning when the grass is frozen as they fail more in well regain in a month of the well regain in a month of the state of the stat will regain in a month.

Our ration is composed

Our ration is composed of silage, chaff, cut hay and straw fed twice a day. The meal is apread over it in the manger. The silo is the only profitable way to feed cows. All our coarse grains are fed at home. Our cattle areallowed out each day for water and exercise. A sheltered yard t\_d a shed under the barn is provided for their convenience.—Watter Thompson, Halton Co., Ont.

#### The Proper Way to Milk

The operation which consists in milking, is as is well known, "rational massage which has as its result the drawing from the cow's result the drawing from the cow's udder a far greater quantity of milk than that which it contained at the beginning of the operation. It is known says a writer in the "Moniterer" that the udder of a good cow contains, before milking about 3½ pints of milk already formed, but that if milking be well carried out no less than 2½ to 3½ gallons may be secured. According the properties of the contained of milking severies considerable influence on the proportion of faitty matters contained. proportion of fatty matters contain-

the milk,

The above authority has shown that
this is due to the peripheral excitation of the nerves of secretion this is due to the peripheral exci-tation of the nerves of secretion which, in their turn, by reflex action bring about far greater excitation of the granular cellules. If we consider the usual way of milking, which con-sists in milking two quarters at the same time, we find that the effect produced is not the same of the from the first two quarters generally contains more fatty matters than that of the last two, and the richness of of the last two, and the richness of the milk will be enhanced if the milk-ing be done diagonally instead of ing

sible, and it is explained by the fact that by milking diagonally excitation extends to all the nerves of the gland extends to all the nerves of the gland whilst, when the operation is done laterally, excitation is only produced on the side on which one operates. In every case the influence of the matter of milking on the proportion of fatty matters is demonstrated by the following experiment of M. Lepontre. The same cow was milked repeatedly and at the same time by two different persons, who changed sides with each milking, and the milk coming from milking, and the milk coming from milking, and the milk coming from each side was kept distinct. One of the persons who operated merely ex-erted alternate pressure on the teat, whilst the other operated by longitudi-nal massage. The milk produced by nal massage. The milk produced by this latter process was more fatty than the other, the difference being between 4s and 55 per cent. The way in which the cow is shilked has therefore a great influence on the quality of the milk, and this influence can only be explained by the excita-tion preduced. tion produced.

tion produced.

The milk obtained at the beginnfac of the operation, consisting in
longtudinal massave, is not as fatty
as that at the end of the process. Until now this phenomenon was explained by the fact that slightly prolonged milking ended by detaching
the particles of butter adhering to the
continuous of the factiferous vessels. This, however, is not the opinion of M. Lepontre, for he observes that the oper\_tion is usually more vigorous at the end than at the beginning, and that consequently excitation must be stronger, and the reflex action greater on the mammillary tissies, thereby producing a lactiferous secretion producing a lactiferous richer in fatty matters.

Overhead Pipes for Water

A unique method of conveying water A unique method of conveying water from the wind-mill to the barn was noticed recently by a representative of The Dairyman and Farming World, while visiting at the farm of Mr. Gor-don Manhard, of Manhard, in Leeds County, near Brockville. Instead of laying the pipes under the ground, as is commonly done Mr. Manhard ran them up at the wind-mill 25 feet and from there direct to the barn. The dis-ingular control of the wind-mill to the barn is 129 feet. is 120 feet.

In order that the water might run

In order that the water might run through the pipes rapidly, the pipes were given a five-feet alant. The pipes have been up for four years, during which time they have given perfect satisfaction. Our representative asked Mr. Manhard how it was that the pipes, being exposed to the air, did, not freeze in winter. Mr. Manhard explained that the water runs through the pipes so quickly into the tank in the barn that it does not have time to freeze.

"Only once or twice have I had

time to freeze.

"Only once or twice have I had trouble from freezing," said Mr. Manhard; "In each case it was due to slight dents having been made in the pipes which allowed the water to set-tle. The pipes froze at those points. The pipes froze at those points. The pipes had been described frozen, All I had been they had frozen. All I had been they had been described by the pipes apart at that place and thaw then out. I have had a great may. them out. I have had a great many people visit my farm and nothing has attracted their attention more than this system of carrying water to the stable."

Feed More Roots .- The dairymen of Cana, do not appreciate the value of roots as a feed for dairy cattle. They are easy on the land, they are a gued crop for cleaning the soil, and good crop for cleaning the soil, and freeing it from weeds, and they leave the soil in better condition for the crops that are to follow.—John Fix-ter, Mgr. MacDonald College Farm, Ste. Anne de Bellevue, Que.

We want a new name for The Canadian Dairyman and Farming World. Can you suggest one? Notice our announcement on Page 3.

#### Improving Western Wheat

Outstanding amongst the many re-Outstanding amongst the many re-cent evidences of Canada's rapid growth and development, is the rapid filling up of the west; the fast-grow-ing acreage of wheat, oats, barley and flax, and the increasing power that that section is wielding in the affairs of the Dominion. The time was when of the Dominion. The time was wh easterners regarded the west as The time was when sort of no man's land, and resented the efforts of the Dominion Government to exploit and develop it. That view has been relegated to oblivion, and is succeeded by the realization that much of the prosperity of the country as a whole depends on the west, on the wheat crop of which all eyes are turned at present. Westerners themselves realize that their country is preeminently a wheat-growing one, and acting on this, are doing much to increase the yield and improve the quality. To secure, good, clean seed, to encourage its more extensive use, and to foster more caretensive use, and to loster more care-ful remunerative farming, competi-tions in standing fields of seed grain are held by the various agricultural societies, and are judged by compe-tent men provided by the Seed Branch. The interest in the competitions is increasing from year to year. In 1906, when they were first estab-



R. P. Langford Cup

A \$50 silver oup presented to Wolseley Agricultural Society for Red Fife Wheat.

lished, there were 31 competitions, with a total of 222 fields entered. The with a total of 222 helds entered. The next year 38 societies took up the work and there were 298 fields enter-ed, while this summer 45 societies out of the 65 in the province, held compe-titions. The Provincial Department of Agriculture makes a grant of \$100 for each competition of the sort, but, not content with this, many societies have increased the prize money out of their own pockets, and have held field competitions for both wheat and In some cases as much as \$250 was offered in prizes.

#### SILVER CUPS OFFERED

An encouraging feature of the competitions is the interest that is being taken in them, not only by the farmiers, but also by the townspeople. As an illustration of this the Wolseley Agricultural Society might be mentioned. Mr. R. P. Langford, of that town, has offered a \$50 silver cup to the wheat making the highest number of points counting those given it in the field competition, and those secured at the seed fair, the cup to become the property of the exhibitor who first wins it three times. The Moose Jaw Agricultural Society, a \$600 Jaw Agricultural Society and \$600 Jaw A An encouraging feature of the com-

other points, are expected to have a similar prize, in addition to those generally offered, and it is only a matof a very short time, until most of the societies in the province will put on classes of this sort. When this condition of affairs is brought about, the impetus given cereal improvement will be great.

provement will be great.

A prize of this sort is especially valuable as it combines the best points of the two greatest powers for the advancement of farming in Saskarchewan to-day, the field competition and the seed fair. The strong point of the former is the ease with which the wheat's purity as to variety true of Red Fife, amongst weak the property of the prop ly true of Red Fife, amongst which bearded or foreign varieties can be readily detected. When examining the grain in the field an idea can also be formed as to its freedom from weeds, its uniformity, size of head, strength of straw, and other particulars that go to make up the yield, and determine the quality. The great advantage of the seed fair is in having before one the harvested product. One before one the harvested product. One octore one the narvested product. One can see how clean it is, and just how plump and even, and form a very good idea of its fitness for milling or good idea of its fitness for milling or seed purposes. The one weak point seed purposes, the impossibility of accurately either the product of the control of

#### SEED FAIRS FLOURISHING

The prospect for an increase in the number of seed fairs in this province next winter are of the brighest. Three years ago, when they were first started, seven were held. The year following there were 21, and last winter 43 agricultural societies held them. During the coming winter it is ex-pected that nearly every agricultural society will have its seed fair. There society will have its seed fair. There is throughout the west, but especially in Saskatchewan, a rapidly increasing realization of the need for and the value of good seed. We realize that it is the few extra bushels an acre that makes the profit; that it is ute little extra care that secures the high grade and the remunerative price, and that it is the wheat a little better than the rest that gives Candad her present proud position as the ada her present proud position as the home of the world's best hard wheat. Sound business principles prompt us to grow the best and true patriotism leaves us no other choice.—H. M.

#### Cow Pox

Cows have sores on their udders. Hard swellings appear, white bilsters appear in accuracy of swellings; this breath, matter escapes, and a seab forms which, after a time, falle off; fresh swellings appear, the cows had a similar trouble last year.—E. A. F.

year.—E. A. P.
This is cow pox. It is contagious.
The contagion is easily conveyed from cow to cow by contact, the diseased. The milker, etc. I solate the diseased. The milker, etc. I solate the diseased of the milker, etc. I solate the should not milk the healthy cows without at least having changed his clothing and having changed his clothing and having changed his clothing and indicated his hands.

The solate of the

or can he be forced to carry his drainage water across A's farm?-A. N., Norfolk Co., Ont.

fork Co., Ont.

B has a right, so far as his neighbor
A is concerned, to allow the surface
water flowing through B's land to flow
in and upon the lard of A, but the law
does not give him the right to accumulate surface water by means of tile
drains and to discharge the same upon drains and to discharge the same upon his neighbor's land, or to accumulate it in such a way upon his own find that it must from the necessity of things discharge itself in largely in-creased quantities upon the land of his neighbor.

The answer to Subscriber's question

necessarily therefore is, that if B wishes to bring the water through particular tile drains to a particular portion of B's land so that it is an injury to A's land, A is entitled to take legal measures to restrain him.

#### Recipe for Whitewash

Would you kindly publish a good recipe for making a whitewash to be used for inside work, in cow stable and hen house? Would kalsomine make a better job?—E A., Emilesville, Que.

A. Emleville, que.

The recipe that you request for whitewash to apply to the inside of a stable or hen house is as follows: Lime, 2 lbs.; water, 1 gallon; skim milk, 1 quart. Kalsomine would not make a satisfactory article for the purpose mentioned and would be too expression. pensive.

We want a new name for The Cana-dian Dairyman and Farming World. Can you suggest one? Notice our an-nouncement on Page 3.





ROCK SALT for Horses a Toronic Salt Works, Toronto



PERFECTION Seed & Grain Separator (Patented 1901) The best and latest mill for Cleaning and Grading all kinds of Seed and Grain.

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and the best value for the money of them all is

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#### POINTS OF MERIT

- To change from pulping to slicing is but the work of a moment.
- There are two separate wheels one for pulping and the other for slicing.
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- The hopper is between the wheels, and does not choke.

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to mention the name of this publication when writing to advertisers

### New Brunswick Fruit Notes

Apple picking is about done. With the exception of a high wind on October 2nd, the weather has been the finest, in a number of years, for harvesting. The result will be fruit harvesting. The result will be trun handled in better condition and more

satisfacto y to all.

Fall and early winter apples are a Fall and early winter apples are a good medium crop, and there are some nice lots of later kinds. Prices are very good. Duchess are gone at \$1.00 to \$1.45. Wealthy, Dudley and Alex-ander are brigging from \$1.25 to \$2.00 in this nurket. Estimense are selling \$1.00 better to private trade. Where strawberry fields have re-ceived good care the plants have made

ceived good care the plants have made good growth and will go into winter in good condition. Currant, goose-berry and raspberry bushes have also made good growth and look very pro-

mising for next season.

The Herbert raspberry is giving a od account of itself, co last winter alive to the tips and yield ing a good crop of nice berries. It promises to be a valuable addition to the fruit gardens of the colder parts We hope some one will give us a We hope some one will give us a blackberry equally hardy and prolific

#### **Exhibition Dates Changed**

The dates for the holding of the fifth annual Ontario Horticultural Exhibition have been moved forward on day, to enable the opening being held on the evening of Thanksgiving Day, Nov. 9. It is expected that the exhib-Nov. 9. It is expected that the exhibition this year will eclipse any previous effort of the association and will be the largest exhibition of its kind

ver held in America. The exhibition has outgrown Massey The exhibition has outgrown Mass-cy Hall and will be held this year in the 8t Lawrence Arena, King Street East, Toronto. This is the building that has so successfully accommodated the Horse Show, the Automobile Show, and 'arious other large public func-tions. The exhibition will continue during the entire week. Each evening there will be a programme in which the regimental bands of Toronto will take part.

take part.

take part.

The entrance to the Arena and the Arena itself will be lavishly decorated with bay trees, plants, flowers, fruit and bunting. In fact it will be almost with bay trees, plants, nowers, true and bunting. In fact it will be almost impossible to recognize the building after the decorators have finished their work. The Arena will be divided into four parts for the showing of flowers, fruit, vegetables and honey. These sections will be divided by col-These sections will be divided by colonnades and arches. The effect of the whole will be one of the most pleasing sights one could imagine. The decorated dining tables, set complete to seat eight persons, are expected to be one of the features of the exhibition, one of the features of the exhibition. There is great rivalry among the Toronto decorators and categors, to see who can set up the most artistic and correctly set dining table. This feature will attract thousands of ladies who are interested in matters of this nature. The whole building will be comfortably heated, and there will be free seats for those who wish to sit and enjoy the music and the beautiful

#### Soil Moisture and Its Control

F. T. Shutt, M. A., Chemist, Dominion Experimental Farms, (Concluded from last week)

In 1903, a severe and unusual drought prevailed at Ottawa during drought prevailed at Ottawa during the spring and early summer months. It afforded an excellent opportunity to prosecute this research on the con-servation of soil moisture. On May 23, on adjoining plots, the moisture in the cultivated soil was 12.65 per cent; in the soil under sod, 4.78 per

HORTICULTURE the touch and the trees had not visibly suffered; the soil under the sod was a powder, apparently dry, and the leaves of the trees had begun to wither and fall. Enough has been wither and fall. Enough nas been said, it will not be necessary to follow the results in detail throughtout the season till the drought broke. They emphasize the very exhaustive character of sod as regards soil moisture and furnish proof of the immense cultivation in arresting the drying out of soils. drying out of soils. Further, in an-other series we had that year, our data pointed out the desirability of early turning under the corn crop and, if this is done by the plow, im-mediately working the soil with the cultivator in order to again set up capillary action with the underlying soil and creating an earth mulch to prevent surface evaporation.

Our experiments at Ottawa appan show that the practice Nappan show growing a grain crop in the orchard is to be condemned, for it makes an unusually large draft on the soil moisture at a time when the crees mo Trials were made with require it. Trials were made with oats, winter reand buckwheat. It will prove of interest to cite certain of the data we obtained. First, with regard to rye: During the first month of the investigation, May 9 to June the growing rye reduced the water content of the soil 5.89 per cent, equi content of the soil 5.89 per cent, equivalent to a loss of 150 tons of water per acre of 14 inches, over and above that lost on the adjoining cultivated plot—and this in spite of the fact that during that period there had been 21/2 inches of rain. By June 23, the percentage of moisture in the rye the cultivated plot maintained its inidetermination made about dle of July showed but one-third the unt of water in the rye plot com pared with that of the cultivated soil. The data of the oat and buckwheat plots are of a similar nature, though in certain particulars, not quite so pronounced as those from the winter rye

We also estimated the losses of soil moisture caused by growing a grain crop as compared with those resulting from the growth of the legume crops -clover and hairy vetch-and found in every instance that the soil bearing the grain crop suffered the great-er loss. This is probably owing in a large measure not to greater trans-piration, but to surface evaporation piration, but to surface evaporation being more active in the grain cover-ed soil; the soil carrying the clover and vetch is much shaded by their foliage, and thus evaporation is checked.

The effect of the various legume crops upon the soil moisture has been very fully studied. As it would be impossible now to recount all our experiments, I would present the fol-lowing summary of the results ob-

Soil moisture is retained by cultivation, is lost growing a crop. This is true of course in spring, summer and autumn and, consequently, in this system, we have a means of controll ing the water supply of our orchard trees at all seasons during which it

may affect their life or thrift.

The difference in the moisture content of the soils from adjoining plots, the one under cultivation, the other supporting a growing crop, is de-pendent upon several factors: In amount it may vary from a few tons to more than 200 tons per acre, in

the surface 14 ir hes of soil.

The larger the rainfall the less the difference in moisture content of these two plots, and vice versa. Cultiva-tion is all the more necessary with a restricted or limited rainfall.

The amount of transpiring surface or foliage materially affects the loss of soil moisture; the larger the crop the more water it takes from the soil

The character of the soil determine in some measure the extent of the loss. If capillarity is easily set up in the undisturbed soil, viz., that which is bearing a crop, water escapes by reface evaporation.

The shade afforded by a cover crop

prevents in a degree surface evapora

Cutting the cover crop and using the material as a mulch, checks the loss of soil moisture. some districts and on certain soils growing the cover crop throughout the summer without unduly affecting the water supply of the trees

#### National Apple Show

It is expected that the National Apple Show to be held in Spokane, Wash., Dec. 7-12, will be the greatest exhibition of its kind ever held in the world. The total value of premiums amounts to over \$35,000. The secre-tary is Mr. H. G. Neely of Spokane. A premium of \$1,500 calls for a car-

load exhibit of 210 barrels or 630 50-pound boxes of one or more varieties. premium of \$1,000 is offered for ex A premium of \$1,000 is onered for ex-hibits of not more than two barrels, boxes, baskets or plates of one variety. The exhibitor of the largest apple of regular shape, with perfect stem and calyx and without disease or blemish, will receive a reproduction of the fruit in bronze heavily plated in gold and mounted on a silver pedestal representing Adam and Eve Garden of Eden.

#### Tests with Beans and Peas H. S. Peart, Horticultural Experiment Station

Jordan Harbor, Ont.

At the beginning of our work with varieties of vegetables, we endeavored to secure the leading varieties that have been placed upon the market. Although we grew 104 varieties of beans and 109 varieties of peas, many are entirely useless. We would suggest following varieties as those worthy of trial by our vegetable grow ers and kitchen gardeners.

Among the best early beans are Earliest Hopkins Red Valentine, Long Pod Forcer, Davis Kidney, Bountiful Bush, Early Red Valentine, Longfel-low and New California Wax. Prolific German Wax, Dwarf Horticultural Stringless Green Pod, Mighty Nice Stringless Green Pod, Mighty Nice, Rennic's XXX Best Green, Imperial Golden Wax, Giant Stringless Green Pod, Early Red Valentine, ripen some rod, Early Red Valentine, ripen somewhat later, giving a succession of picking. Hodson's Wax was decidedly the heaviest cropper we had but New Pearl Wax, Black Wax, Refugee Improved and Large White Marrowfat are worthy of fo ther trial for late 2000.

The peas which we would recom-mend are as follows: Early:—Briggs' Extra Early, Rural New Yorker, Mc-Lean's Little Gem, First of All, Prolilice as little Gem, First of All, Proli-fic Early Market and Rawson's Clip-per. Medium,—French Canner, Im-proved Stratagem, Telegraph, Bur-pee's Profusion, Heroine, Horsford's per. Medium.—Freneh Canner, Improved Stratagem. Telegraph, Burpove's Profusion, Heroine, Horsford's Market Garden, Mammoth Melling Sugar, Burpee's Quantity, and Dwarf Gray Sugar. Late.—Rennie's Queen, Matchless. Early Dwarf, Brittany Sugar, Bliss Everlasting, Long Island Mammoth, Black Eyed Marrowfat, Marblehead Early Marrowfat, Prodi-gious and Royal Dwarf White Mar-

While there are a number of other while there are a number of other varieties grown throughout the province, these are the ones that have proved to be the best with us this season. Growers should not form the opinion that we are recommending these varieties only. Further tests these varieties only. Further tests may show that some of the others may be superior to those mentioned

## \$15 for 25 New Subscriptions

We will give you a cash prize of \$15 for securing a list of 25 new subscriptions to The Canadian Dairyman and Farming World at \$1.00 each. Sample copies free.

THE NEW Demi-Bloc System of Double-Gun Manufacture adds new excellences

to the superiority of the

One of these new features is the One of these new features is the forging and compressing of the barrel and lug all in one piece. This gives the strongest breech mechanism possible to make.

Then the barrels, loop and extension rib are brazed in one process. So the barrels are necessarily straight

and true.

hile the solid top-snap, illustrated below, operating with our new rotary cross-bolt, makes a fastening unequalled for strength. Thus Stevens Guns cannot shake loose.

If you'll send for the Stevens Catalog, you'll learn all about these new Demi-Bloc features, and all the many superiorities of Stevens firearms—shotguns, rifles, pistols. 5c. for postage brings it.

"Guns and Gunning," by Dan Beard—all about hunting and shooting, game, the care of a gun, etc., will be sent, postpaid, for 20c., paper cover; or 30c. cloth, stamped in gilt.





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Fueryone theodies fonce building should sum for our rolder on Fernance. Its full of withink information on fence building, tain to worse wire facing quickly and substantially, describes the man on concrete post making, showing for these direction can concrete post making, showing for these direction can be employed to be a more at home. Don't full to write for a copy. If a free. Don't Lot, the contraction of the contraction of

the name of this publication when writing to advertisers

#### POIII TRY YARD

A Record of Six Hundred Hens.

A bulletin is just to hand from the West Virginia Agricultural Experiment Station giving one year's record of six hundred White Leghorn pullets, On the first of November they were put in a continuous curtain from house allowing a little over tour square feet per hen. The average age was a first of November they were put in a continuous curtain from house allowing a little over tour square feet per hen. The average age was a first of November they were put in a continuous curtain from house allowing a little over tour square feet per hen. The average age was a first of November they were put in a continuous curtain from house allowing a little over tour square feet per hen. The average age was a first point of the same and the hopper. The mash was made up of a mixture of cornmeal, wheat, bran, wheat middlings, oil meal and beef scrap. In addition to this they were given gritt, shell, green bone, and ensilage. The grain fed was mixed, chiefly wheat and corn. Wheat cost of feed for the six hundred hens for the year was a fully and the same age. The highest egg problem of the same age. The highest egg proposition of the hens of the same age. The highest egg proposition of the hens of the same age. The highest egg proposition of the hens of the same age. The highest egg proposition of the same age.

weeneseeseseseseseses I have had no moisture in my poultry-

ouse whatever.
The bottom of the house was first filled in with one foot of cobble stones. These were then covered with sandy oam which makes an ideal floor for

in the season the house can be put on the pasture field, the stubble, the cornfield, etc., and by a judicious ar-rangement the bulk of the summer feed is obtained for the poultry, by taking them to the feed instead of hauling the feed to them. This sys-tem not only does away with the diffi-culty of keeping the poultry yard free-from diseases by changing the yard, but it enriches the farms by scattering the manure where it is most needed. If farmers, kent two or more of these If farmers kept two or more of these houses the hens could be put, say 25 houses the hens could be put, say 25 in each for the winter, and when spring came and they were out on grass range they could be doubled up and the surplus house used for brooders and rearing the young stock during the summer. As the fall cameround again the cockerels would be fed and marketed and the pullets allowed the house for winter quarters use is very simple. During the summer, while on grass a hooper of grain mer, while on grass a hooper of grain. use is very simple. During the summer, while on grass a bopper of grain is put in the house to thich the hens have free access, they also have grit, shell and scraps before them. These hoppers require filling about once a week which is all the time spent in feeding. Though this grain is before them all the time it is the exception to see hens around the hopper when

# A double

requires a quick eye, a true gun and A-1 ammunition.

SOVEREIGN shells are loaded with Empire powder, Nobel's perfected smokeless; no breech strain. smokeless; no breech strain. Our primers are absolutely sure fire the most sensitive and flamboyant made. Paper shells are of the choicest splitless paraffine stock.
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#### DOMINION AMMUNITION

you will find good and bad in it. In a tlock of 225 hens, made up of four breeds, one half laid over 13,000 eggs, while the other half laid over 13,000 eggs, while the other half laid of 5,000; this difference was not because of the breeds, for in one breed alone there was a flock that could be picked that averaged 14.00 eggs each, while another flock in the same pen averaged 14. So I will be supported by the same pen averaged 14. So I will be breeds that I could difference within the breeds that I could be supported by the same pen averaged 14. So I will be supported by the same pen

#### Shipping Chicks

1. Which is the best way to ship chicks, live or dressed? 2. What breed do you prefer for fattening? 3. Is one pound per week good gain for a bird in a feeding crate? 4. Will salt in the feeding hurt the chicks? 5. Is peas a good fattening food?

oniosis. 5 is peas a good rateening roost?

I. If you have the proper means of dressing, 'do so. 2. Rocks or Wyandottes. 3, Yes. 4. No; a pinch of salt is relished, and is good for them. 5. As a mixture it does all right; alone, it makes a hard flesh that is not the best.—F. C. E.



A Poultry House That Has Given Good Results

The photo, from which the illustration was taken, won first prize in our Poultry House Photo competition last sp. The house is 60 feet by 12 feet. By meansof muslin curtain ventilation it has been found possible to keep the walls from moisture. Last fall the hens in the house began laying the first of November, and continued to lay froughout winter although the temperature outside at times dropped to 40 degrees below zero. The house is owned by Mr. W. R. K. Leeds Co., Ont. See adjoining article.

#### Good Results From a Poultry House

W. R. Kaiser, Leeds Co., Ont.

duction was in March. The average was 11 eggs for the year. Selling at the retail market price for newlaid eggs they broughts [4.88,87. The expenditure was: Feed, \$514.50; labor \$120; dead of years of the year. Soling at the retail market price for newlaid eggs they broughts [4.88,87. The expenditure was: Feed, \$524.50; labor \$120; dead fowls, \$8,0; decreased value of stock, \$100; interest on investment, \$60; total, \$85.50. leaving a balance of \$60.2.8, or practically one dollar per hen.

The feed bill seems lighter than is would be in Canada owing doubtless to their lack of winter. The tembouses at times. Free range was allowed almost continually. No trap nests were used, the hens were kept as near as possible like farmers' conditions.—F. C. E. board is used and it is cleaned out once a week during the summer and once a fortnight during the winter. There are no dark corners hard to get at and where the lice hide. These houses are sprayed with Zenoleum once a week in the warm weather and less often as it gets colder. Two boys with a regression of the second of the W. R. Kaiser, Lecis Co., Ont.

The illustration on this page is of a poultry-house I built last summer. It is essentially considered the poultry-house I built last summer. It is essentially considered the pen is suitable for about 29 or 25 them. The house faces the south. The front, or south side consists of two thirds glass. One upper sash in each shelter and be convenient, when pen is covered with cheese-clear the pen is covered with the pen is covered with the pen is covered with the

Depends on what you are after; if eggs alone, take one of the light breeds; if both eggs and meat, better take one of the American breeds. Even when you have picked out your breed,

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# The Canadian Dairyman Farming World

Published by The Rural Publishing Com-



i. THE CANADIAN DAIRYMAN AND RAMING WORLD is published every wednesday. It is the official organ of the Western Ontario, and Bedford District Quebe Dairymen's Associations, and of the Canadian Holstein, Ayrshire, and Jer-sey Gattle Breeders' Associations.

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The new subscribers.

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the banks.

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#### THE CANADIAN DAIRYMAN AND FARMING WORLD PETERBORO, ONT.

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

#### TOO MANY SOCIETIES

In view of the fact that the Ontario Association of Fairs and Exhibitions has decided to ask the Ontario Government to increase its yearly direct grant to the societies from \$70,000 to \$100,000 a year, or by over forty per cent., it is advisable that the whole question shall be looked into very thoroughly.

The first agricultural societies were formed over 100 years ago. Most of them were established in the days when most parts of the province were just emerging out of the woods and out of the wilderness. At that time there were few railroads and the common roads of the country were so bad it required a day to travel only a few miles. In those days the county or local fair was the great event of the ing it impossible to keep a cow pro-

took three days to attend the fair, including a day going and another returning. They attended largely with the object of meeting friends whom they were able to see about only once a year. The lack of railroads and the poor roads made it impossible for people to attend from any great distances. The result was that societies sprang up in all parts of the province until there were some 400 of them.

During the last thirty or forty years onditions have changed completely. The country has become gridironed with railroads. Immense swamps have been drained and millions of dollars have been spent improving our country roads. The result is that it is now easier and cheaper, owing to the low excursion rates given, to go 100 miles over the railroads, to attend our large exhibitions than it used to be to drive 25 miles to a local exhibition. For the most part, however, our small local societies continue to exist although the need for many of them has long since disappeared. There are many small exhibitions that are doing splendid work. There are others at which almost nothing but grade stock is shown. That stock, often, is of the most inferior character. The prizes offered by the societies are so small that it does not pay either farmers or breeders to exhibit. They do not encourage improvement.

What we want is fewer but larger and better exhibitions. Ontario would be better off if it had about only one half the number of agricultural societies that now exist. Even then there would be about three exhibitions for each county. The remaining societies would then represent larger districts, they would-on the present appropriation-receive about double their present government grants, they would be able to offer larger prizes and there would be a general improvement in the character of the stock and articles shown. This would all tend to make the exhibitions of greater educational value.

Instead of increasing the total grant to the agricultural societies the government will do well to encourage the holding of fewer but larger and better exhibitions. Our agricultural societies now receive grants in proportion to the amounts they expend for agricultural purposes. At present, none are allowed to draw a grant exceeding \$800. By increasing the maximum grant to \$1,500 or \$2,000 it would enable our larger and better societies to expand and improve, and in this way the poorer societies would gradually die as they failed to do enough work to justify their existence.

#### KEEPING THE CATTLE CLEAN

Now that the stabling season is at hand, some effort should pe put forth to keep milch cows in a clean sanitary condition. Much can be done towards this end by clipping the flanks of the cattle with a pair of horse clippers. The rough hair from the brush of the tail up should also be clipped off, as well as all tags and coarse hair on the udder.

Frequently the stalls are too long, thus catching the droppings and makyear. The settlers used to throng to it perly bedded. In such casees, the from all directions. Many of them time required to shorten these stalls have to be exercised towards these in

and make them more suitable for their occupants will be well repaid. It is not only unpleasant to see filthy dairy cattle but it is highly unsanitary as well, for much of it is bound to drop off during the process of milking.

The Ontario Government has empowed its sanitary inspectors to inpect dairy stables and where the conditions are not what they should be, to take action to have them remedied. We may as well recognize and meet the great need for properly caring for cattle in this respect. Then should an inspector drop in, there would be nothing to be sorry for. At the beginning of the season is the time to attend to this matter.

#### CERTIFICATES FOR MAKERS

In considering this topic the ques tion naturally arises, what is to be done with the maker now managing a factory but who cannot qualify for a certificate? It would be a hardship to deprive a man of his livelihood and prevent him from pursuing his calling, and in which he may have spent many years of his life. Some allowance would have to be made to meet cases of this kind. In fact it is doubtful if any body of legislators could be induced to pass legislation that would prevent a man from pursuing a calling in which he has lawfully engaged for many years. An interim certificate might be granted and a chance given the maker to improve.

We question, however, if there are many makers in Ontario, who have been in the business for a number of years and who have risen to the status of managers who could not qualify for a certificate under a pretty stiff examination. With regard to the few who could not qualify, the situation would work its own cure. It would not be necessary to prevent such from making cheese. The very fact that they were not possessors of certificates would make factory-owners hesitate about engaging them and it would not be long until they were out of the business altogether and engaged in some

other calling. So far as apprentices are concerned a law compelling makers to secure certificates would not inflict any hardships on these even if it came into force at once. If they could not qualify this year they could next, and if there was no possibility of their ever being able to do so, the industry would gain a great deal more than they would lose by withholding a certificate altogether. The dairy schools and some of the best factories in the land are open to such, and they have every opportunity to perfect themselves in their chosen calling. It is different with a married man with a family, who has been managing a factory for a time. He may find it difficult to get away even for a few weeks to attend a dairy school. If he could afford the time he might not be able to find the means to do so. The very fact that he has been engaged in the business for some years, and is not able to qualify for a certificate, would be an indication that he has spent his time in some small out-of-date factory, where there is no money in the business for anybody. Great leniency will

any legislation looking to the establishment of a system of granting certificates.

But this is of minor importance as compared with the greater advantages to be derived from such legislation. As we pointed out in a previous issue, the position of makers generally would be greatly improved by the granting of certificates. Their calling would be on a higher plane, there would be less competition for places from cheap men, and a better standard of wages would prevail. The factories as well as the makers would be benefitted. It would be worth something to a factory to know that the man they engaged to manage the business was qualified for the work. Factories could afford to pay a higher rate for making under such guarantee as to the quality of the product to be made.

Nevertheless, the devising of a cheme for granting certificates requires careful consideration. standard must not be so high that it will shut out capable men on some mere technicality. Then again it must not be so low as to make the certificates of little value for the purpose for which they are intended, that of raising the status of the cheese and butter-makers of this country. A start might be made by granting certificates to makers who could qualify, but not making it compulsory for factories to engage only men with certificates. After a year or two a further step might be taken and allow no one to manage a factory unless he possessed a certificate.

#### HOME-GROWN MANGEL SEED

Attention may profitably be directed to the experiments recently carried on by the Experimental Department of the Ontario Agricultural College in connection with home grown mangel seed. These experiments are of particular interest just now owing to the partial failure of the mangel crop this past season, which failure was attributed in many instances to the inferior grade of seed that was on the market last spring. Mangels are becoming more and more popular on account of their freedom from pests, and the great difficulty experienced, of late years, in growing a profitable crop of turnips due to plant lice, rot and blight, to which they are heir.

If it is possible to increase our yields of mangels over ten tons an eres by means of some-grown seed, as one in the Experimental Departthe Ontario Agricultural Cols past year, it surely would be while to produce and use such Although the practice of growing the seed in this climate is attended with considerable extra labor, a single root under favorable conditions produces a large amount of seed. Thus it is possible for one to produce at least all the seed required for his own use. Considering the growing importance of the mangel crop to our dairy interests as well as to other branches of the live stock industry, the possibility of improving the yields, by so simple a method as outlined on another page of this issue, is worthy of note. Those who are at all extensively engaged in the production of mangels for their stocks would do well to save a few choice specimens this fall with the object of producing seed next year for se the following season.

#### Eastern Townships, Quebec, Notes

This season has been an unusual one. A cold, wet April, suddenly burst into summer weather with the advent of May. Seeding was retarded until late in the month owing to excessive rains. There being a heavy rainfall in May, the land became wet rainfall in May, the land became wet and soggy. It was unificult to get on the low-lying lands. These were not seeded until the last days of May or first days of June. Much of the early grain was sown on a wet and impacted seed-bed. When the hot, droughty days of June came this land became baked. Consequently, the sartly sown grain crop was lighter than the provided of the constitution of the consequence of t The growth of vegetables in May was almost unparalleled, and there was promise of a bountiful hay crop. It was sadly checked, however, by the drought of June, for day after day the scorching sun, and dry hot winds broken only by one good shower, put all vegetation at a standstill. The pastures became brown and bare, especially in the western parts of the pocular of the western parts of the distribution of the desired process of the deciding their cows forage crops and grain feeds to maintain the milk flow. In the Eastern Townships proper, this was not so noticeable. No flow. In the Eastern Townships pro-per, this was not so noticeable. No matter how little rain, the pastures are usually fresh and verdant owing to the moist nature of the soil.

#### FORAGE AND ROOT CROPS

Grain is not a staple crop with the Eastern Townships farmer. More attention is paid to the growing of forage and root crops, and these latter they can grow to perfection. West of the Richelieu River, on the flat clay lands, more grain is grown, and a shorter crop rotation is practised. Were we to point to one weakness in the economy of the Eastern Townships farmer, it is, his too long "crop rotation." Perhaps lack of "crop rorotation." Perhaps lack of "crop ro-tation," would be more in order. Fre-quently we have seen fields that had been "down to grass" for ten years or more giving only a fair return which had a short "crop rotation" been followed, twice the amount would have been realized an acre-They are getting into a short rota-tion system, however, and the sooner the better for Quebec agriculture.

If the grain reaches 60 per cent. of If the grain reaches 60 per cent. of a crop it is all that we need expect. Though short in the straw, we expect a good quality, as it has been comparatively free from rust, except in a few low localities. A light hay crop, and a lighter grain crop, is the reward of the Quebec husbandman that once the Lamester exception of the control and one the farmers have learned to value highly, is the corn crop. Tis a bumper crop this season, and few failures are noticed. The writer has already seen samples that measured is feet of a stalk, with full ears. Pre-vious to 1908 we could boast of many silos. This year again sees a large number of new ohes being erected, principally of the stave make. They will be filled to overflowing, as the corn acreage is about 50 per cent. more than in-previous years. This will help the stockmen and dairymen our very materially.

DAINTHEM PARING WELL allures are noticed. The writer has already seen samples that measured is feet of a stalk, with full ears. Previous to 1908 we could boast of many silos. This year again sees a large number of new often being erected, principally of the stave make. They will be filled to overflowing, as the corn acreage is about 50 per cent. more than in-previous years. This will help the stockmen and dairymen out very materially.

DAIRYMEN FARING WELL

The milk flow dropped quite perceptibly during the latter part of June. The frequent showers in July, however, freshence up the cops fed. This, and the milk flow up to nearly normal. Good prices have been realized for dairy products, netting the creamery patrons from 85 to 87 cents [Ontario Co., Ont.]

and cheesery patrons from 92 to 97 cents a cwt. for their milk for the cents a cwt. f month of July.

Month of July.

Owing to many new shippers the Montreal milk supply has been well maintained all season, and it is only within the past few weeks that the milkmen have complained of a shortage. It is expected that winter prices of milk in the city wil be about the of milk in the city wil be about the same as last year, 22 cents a gallon delivered in the city. While prices of roughage will be lower it is expected the price of grain feeds will be as high, if not higher. The condensary at Huntingdon has handled a big lot at Huntingdon has handled a big lot of milk this summer. Their capacity of 50,000 lbs. per day has been pretty well taxed at times. They have a growing demand for their "Reindeer" brand of milk, and "Jersey" brand of condensed cream, and have diffi-culty in filling their orders.

We cannot boast this season overflowing barns, yet we will have sufficient to meet the needs of man and beast. Even though not a full year, our farmers will be in a much better position financially than the artisan, and many of the urban population. The capital of "Old Quebec" province was the centre of attraction last summer—celebrating the Tercentenary-and can boast of having the greatest pageant ever seen on the American continent. This great event, we trust, will draw the different races into a closer bond of union, and lead our people to a higher de-gree of citizenship.—"Habitat."

#### A Pure Bred Pig For You

Many have won pigs as premium: for securing subscriptions to The Canadian Dairyman and Farming World. So can you. We will give a pure-bed Yorkshire, Berkshire or pure-bed forkshire, Berkshire or Tamworth pig, boar or sow, four to eight weeks old, with pedigree eligi-ble for registration, to any person who will send us only SEVEN new one year subscriptions to our paper one year subscriptions to our parer These pigs are the best that can be obtained from Canada's leading breeders. Every piv that we have sent out has given the best of satis-faction. We are sure that you also would be well satisfied with one of well repaid for the time spent in se-curing the seven subscriptions.

#### OTHER PREMIUM OFFERS

If you do not care for live stock just now, perhaps you would like to win some of our other premiums. Notice our clock offer on the back cover of this issue. It will not take much of this issue. It will not take much of your spare time to secure only two new subscriptions for The Canadian Dairyman and Farming World. If you would like to see our list of household remiums, drop us a postal, and we will eladly send it to you, together with sample copies, and everything necessary to begin canvassing. The Take up this subscription work now; you will reap the benefit latter.

#### TESTIMONIALS OF APPROVAL



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weeks old, and with pedigree eligible for regisfration, to any person who will secure a list of ONLY SEVEN NEW SUBSCRIP-TIONS to the above paper at \$1.00 a year. The pigs are secured from some of the best known breeders, and are GUARANTEED TO BE PURE BRED STOCK. This is a splendid offer, and one you should take advantage of at once.

Last year we disposed of a large number of Pure Bred Pigs to those who sent us lists of New Subscriptions. All were well pleased with the prizes they secured, and stated that they felt well repaid for the time spent in securing the Subscriptions

THE CANADIAN DAIRYMAN AND FARMING World is a splendid paper for which to canvass. It contains each week up-to-date, practical articles which appeal to EVERY FARMER. It is well illustrated. It contains an excellent Household



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## THE CANADIAN DAIRYMAN AND FARMING WORLD

PETERBORO, ONT.

# **Creamery Department**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### Five Years Experience in Making Butter for Exhibitions

W. M. Waddell, O. A. C., Guelph, Ont. .

H. M. Fudiell, O. A. C., Guelph, Ond. .
During the last five years I have
practised the following method in
making butter for show purposes and
I credit my success at the different
exhibitions to doing so:
About one week before the exhibition date, the butter-maker should be
on the alert for a nice cool night. If
the necessary precautions have been
taken in earing for the milk, the raw
succeeding morning will be of a superior quality.

Every bit of machinery through or

erior quality.

Every bit of machinery through or over which the milk has to run must be thoroughly cleaned and be germ free. It is advisable to start the separators and skim for eight or ten separators and skim for eight or ten minutes before the cream is allowed to run into the vat for exhibition pur-poses. The separators should skim a 35 or 40 per cent. cream for the best results. The flushing should never be allowed to run into the exhibition

cream. Immediately after skimming pasturization should be commenced. The cream should be heated to 160 or 125 degrees F, and kept at this temperature for 20 minutes. Puring the pasturization, the cream should be gentily agitated so as to prevent a layer of nitrogenous matter from forming over the cream, also to secure a uniform pasteurization and no cooked flavor.

form pasteurization and no cooked flavor.

This process of butter-making may be auccessfully followed in a creamery where there is neither a pasteurizer nor a cooler. The pasteurization and cooling may take place in the creamer val. Steam hose the cooler was been described by the addition of plenty of ice (around the cream) and constant stirring. Ice should never be put into the cream. When pasteurization is completed, the hot water should be run off, and pulverized or finely broken sice and cold water should be run off, and pulverized or finely broken sice and cold water should be put in its place. A little salt placed upon the ice mill will quicken the cooling process. The cream ought to be cooled to 44 or 46 degrees F. Stirring should be continued so that the cream will be of a uniform thickness and temperature. After

form thickness and temperature. After the cream has stood at a low temper-ature for three or four hours, or even ver night, churning operations may be started.

Before transferring the cream from Before transferring the cream from-the vat to the churn about 20 per cent. of a good clean flavored culture, show-ing an acidity anywhere from .5 to .75 should be added. This insures the desired flavor and aroma. The temperature of the cream will. The temperature of the cream will then the control of the control of the control of the culture which ought to be within the range of 60 and 65 degrees F. The churning should be finished

F. The churning should be finished within 30 or 45 minutes, all depending

Get acquainted with **Black Watch** 

the big black plug chewing tobacco. A tremendous favorite everywhere, because of its richness and pleasing

upon the speed of the churn; the tem-

upon the speed of the churn; the tem-perature and richness of the cream and the season of the year. Just at that point when "breaking" begins it is well to add a pail of cold brine, which helps the particles of butter to adhere. The churn should never be allowed to revolve after the granules are the size of wheat grains. The butter-mik should be drawn off immediately and the butter permitted to drain for 10 the butter permitted to drain for minutes. The butter should now sprayed with fresh well-water at sprayed with fresh "l-water at a temperature about 20 degrees higher than the churning temperature. When the spray water runs off fairly clear the tap should be closed and more water than there is butter-milk should be added. To wash the butter the churn should be revolved at high speed from eight to fourteen times. A soon as washed the wash water should be allowed to run off and the butter permitted to drain again for 10 or 18 permitted to drain again for 10 or 15

minutes.

Salting and working are the next steps. If the butter is for a saltless exhibit 4½ minutes with a Success combined churn and worker will be sufficient. If the butter is to be salted it should be worked anywhere from to 7 minutes as judgment de-

mands.

The packages in which the exhibit is to be made should be neat, clean and as attractive as possible. If the prize list calls for a solid package the firkin, crock or box should be filled as firkin, crock or box should be filled as near to the top as possible. Points are taken off when a box is improperly packed. Double linings should always be used. All box-linings should be soaked in a strong brine solution for at least 12 hours.

The butter should be placed in cold storage as soon as possible after manufacturing. It is best to arrange the date of making so as to have not more than one week between manufacturing.

ing and scoring.

Ing and scoring.

NOTE—It might be well to point out that Mr. Waddell has been a very successful competitor in butter exhibitions in this and other countries. For three years previous to going to the O. A. C. he held the sweepstakes for Ontario at the Western Dairymens' Association Exhibitions. He has taken Ontario at the Western Dairymens' Association Exhibitions. He has taken first and second prizes at Toronto, London, and Ottawa. At Toronto this year his butter scored only one-quarter of a point below the butter that won the trophy. In point of fact Mr quality, but through some cause the box was broken on top and the judge scored the butter down on finish. In 1907, Mr. Waddell won the gold medal at Ottawa. This year he entered the lists with American makers at the New York State Fair at Syracuse. There were seven entries in the class. Mr. Waddell's Dutter won the first prize of \$30. At Syracuse also, the Misses Jappes, of Cobourg, Ont., showed in the womens' class and carried off the first and second prizes. Canadian butter-makers evidently are capable of holding their own with the best.—

#### Making Prize Creamery Butter

Ed., The Dairyman and Farming World:—Before I began making the butter which won the 8md prize in creamery prints at the Toronto Exhibition this year, I sent out instructions to my patrons by the creamhaulen, stating that we were going to make butter for the show, and asking

the butter came in about 30 minutes The butter was washed once with water at 50 degrees and then worked

and salted in the usual manner.

I might say that the same method was adopted last year when I captured the trophy with a score of 9734 points. My score this year was 9634.

—R. M. Player, Bruce Co., Ont.

#### The Skimming Station System Advocated

The Editor Dairyman and Farm-ag World,—There is no reason why the skimming station system could be adopted and carried out successfully in some parts of the 3.745 574 square miles of Canada. With view to improvement in quality, it must be admitted by all that this is the system to be preferred. No doubt the cream gathering system could be made just as good if the farmers would take a little more care of their cream. In many instances, the grammer of the cream of the cre would take a little more care of their cream. In many instances, the cream is delivered every second day only, or two or three times a week, with the result that when it reaches the factory it is found to be inferior in quality and in my opinion, it is impossible to treat it scientifically so as to be able to make a sound-keeping butter. Of course, in districts where the roads are in a bad condition or where the distance from the factory or skimming station is too great for the hauling of milk, farmers are justified in adopting the principle of home separations...

adopting the principle of home separations...

The skimming station system is an important factor in the production of butter in New Zealand, some parts of Australia, and in the Republic of Argentina and in the Republic of Argentina none of these countries are pasteurizing their cream; they owe much of their success to the freezing principle. For the success of both systems a factory of modern description is required. The proper application of artificial cooling power, and also practical and scientific management. Therefore, I take this opportunity to impress upon those who intend to engage in the industry, the importance of starting all new business, if possible, on the skimming station system.—Geo. Nielsen, York Co., Ont.

#### How the "Trophy" Butter was Made

Ed., The Dairyman and Farming World:—I exhibited at the Toronto Exhibition this year and won several prizes, among them the silver cup trophy, awarded for the highest scoring butter. The butter exhibited was made from whole milk, but by two different processes for the different sections. The butter made by each process secred an equal number of points.

process scored an equal number of points.

In the first process the milk of the previous night was brought into the factory with the morning's milk and separated, giving a cream testing about 60 per cent. Int. The cream was at once pasteurized to 184 degrees and immediately cooled to buce degrees. Sufficient pure cuto an aciddegrees. Sufficient pure culture fer-ment was added to bring it to an acid-ity of .35 in 24 hours, when it was churned. Churning occupied about one hour. Two per cent. of salt was

creamery prints at the Toronto Exhibition this year, I sent out instructions to my patrons by the creambalers, staint that we were going to make butter for the show, and asking them to take every precaution and to send in as sweet cream as possible. These instructions were carried out very well by the patrons, but the weather being to your carried out very well by the patrons, but the weather being to your carried out very well by the patrons, but the weather being to your carried out very well by the patrons, but the weather being to your carried out very well by the patrons, but the weather being the patrons, but the cream was necessarily to the patrons of the provincial Dairy School at St. Hyacinthe. The milk was separated giving a cream with 52 per cent. but the patrons of the present of the patrons of the provincial Dairy School at St. Hyacinthe. The milk was separated giving a cream with 52 per cent. but the patrons of the patrons

If you should ask prize Butter-Makers what salt they use - they would say, "Windsor." For Windsor is the choice of Canadian dairymen everywhere. Ask your grocer. ındsor

.14; percentage of pure culture used, 2. The temperature of the cream after adding the pure culture and at the commencement of churning was 48 degrees. The time of churning was 45 minutes and 2 per cent. of salt

was used.

The latter process makes a very mild butter, less pronounced in flavor than that made by the former one. It is also of butter keeping quality.—

J. H. Leclerc, Foster, Que.

Can you suggest a new and better name for The Canadian Dairyman and Farming World? If so, do so and win a prize. Notice our announcement on Page 3.

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

MUST SELL.—Good brick creamery in Western Ontario, doing good business, \$1,200, Box "S" Canadian Dairyman. E 12-2

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CHESS FACTORY FOR SALE. Tender will be received by the undersigned util Thursday, the 5th day of Octobe undersigned to the state of the

#### THE WINTER FAIR GUELPH, ONT. DECEMBER 7TH TO 11TH, 1908 OVER \$10,000.06 IN PRIZES

A. P. WESTERVELT, Secretary, Tor

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Write for Catalogue.

T. M. WATSON, Principal

Cheese Department
Makers are invited to send contributions to relating to cheesemaking and to suggest subjects for discussion. Addings your letters to The Cheese Makers Department.

#### Some Factories Closed for the Season

Reports from Eastern Ontario indi-cate a large falling off in the make of cheese. Several small factories have closed for the season, the supply of closed for the season, the supply of mik not being large enough to keep them running. It looks now as if the Canadian Dairyman and Farming World's estimate of 200,000 boxes as the shortage in this season's make as compared with that of 1007 would not be far off the mark. At present prices for cheese this will mean a loss to the A peculiar feature of the situation is that the price of cheese is not as high, by half a cent a pound, as it was the last week of August, or before the dry season began, and this is the

the dry season began, and this is the season when September cheese, usually the highest priced cheese of the year, is being marketed. It can only be accounted for by the fact that the trade in England has refused to follow the state of the state o low the advance in price of a month or two ago. Receipts begin to show a large falling off and it looks as if the market should take a sharp turn up-

ward very shortly.

Chief Instructor Publow reports the Chief Instructor Publow reports the quality of the cheese being made this fall as being very fine. It usually is at this season as conditions are favorable for making cheese of the finest striking difference between summer and fall cheese there was a few years back. The quality is more uniform throughout the season, and the summer make is gradually being brought up to the standard of the finest September 19 to the standard of the standard of the stand structors is responsible. As patrons learn to look after the milk the cheese of any month will gradually approach the quality of the best. There is more uniformity not only in the quality of cheese made in different factories, but the quality made any time during

#### Cost Nothing as Compared with the Benefits

the Benefits

Editor, The Canadian Dairyman and Farming World:—In regard to pasteurizing whey, I am only too glad to give my experience. This is our first year in pasteurizing. We have been sending some of the whey back to the patrons for about seven years. Last season it all went back and we did not pasteurize it. We were very much troubled with "yeasty" or bitter flavor. Our patrons were very disardered by the patrons were very disardered to the patron were very disardered by the patron were very disardered by the patron were the whey, the acid being very hard on the cans and the cream would not mix, some would get none and others all of it.

This season we are pasteurizing the whey and our patrons are well satisfied with it. We are trying to do the work in the best possible way. We get each day's whey away the following day before the new whey is ready. Just as soon as the new whey starts to run off the vatis, we start the pump to elevate it to the upper tank. We then turn on the steam just enough to heat it as fast the the whey is elevated. Heated at this stage the whey is almost as sweet the next morning as when drawn from the vats. We heat it to 150 degrees. The tank is covered and the whey the next morning of This season we are pasteurizing the when drawn from the vats. We heat it to 150 degrees. The tank is cover-ed and the whey the next morning go-ing into the cans is at about 130 de-grees. Everything is in solution. There is no cream. We stir the whey several times during loading by turn-

several times team, reasons and that the cans are co-sumer very much.

Our patrons say that the cans are co-sumer very much.

MacLaren's "Imperial" Cheese has tanks are nothing to clean as cam. had a very successful career. It is

Cheese Department have been entirely free from it so far this year and we are delighted with that part of it.

I believe pasteurizing the whey will pay in the saving in the cans alone, pay in the saving in the cans alone, apart from its better feeding value. Pasteurizing saves the sugar and also the fat and each patron gets exactly the same quality of whey. In regard to the care of the milk on the farm there has been great improve-ment. But there is room for quite a

ment. But there is room for quite shit yet, as we get too much acidy milk during the hot weather. This is a loss to the patrons, as it takes much more milk for all bof cheese when the milk works too fast.

milk works too fast.

I have given you in a rambling way what our experience has been with pasteurizing hwey. I believe it is the only proper way to send whey back to the farms from the factory. It takes a lot of steam but the cost is nothing as compared with the results gained—Wm. A. Bothwell, Cheesemaker, Strathallan Pactory, Oxford, Ont.

#### The Home Cheese Trade-No. 5

In closing this discussion on the home cheese trade a reference to the fancy brands of cheese made in Can-ada may not be out of place. These fancy brands are more numerous than they were a few years ago. There they were a few years ago. There must be a demand for them at profitmust be a demand for them at profit-able prices, or their manufacture would not be continued. They are, however, as we have stated in pro-vious issues, a luxury and bought mostly by the well-to-do, who like something out of the ordinary. It is just a question whether there are not as many of these fancy brands

are not as many of these fancy brands being made and in sufficient quanti-ties to supply all the market there is for them. True, our cities are grow-ing and the number of people who can afford luxuries, increasing every year. But are they increasing fast enough and are they now in sufficient cumbers, i.e. weren't any extended enough and are they now in sufficient numbers to warrant any extended effort on the part of our dairymen to take up this line of manufacture? We doubt it very much. It would not take much enlargement on the present take much enlargement on the present output to overstock the home market, and unless there was an outlet else-where the article would be a drug. For the present at least it will pay the rank and file of our dairymen to con-fine their attention to making the reg-ular cheese. Here is a field that Can-lar the search of the control of the practically controls the 'world's trade in Cheddus cheese to-day. It would in Cheddar cheese to-day. It would not be good business to give up a good thing for something less stable, though possibly returning a larger profit to the manufacturer, who can get sale for his product. However, a fancy brand that will appeal to the more well-to-do of our people and com-mand ready sale is a money-maker. mand ready sale is a money-maker. Those who have such, and have the means and facilities for placing it on the market in good shape, run little risk of a failure. But capital, busi-ness experience and plenty of adver-tising are necessary to success, no matter how good the brand. For this

matter how good the brand. For this reason the average cheese factory had better let well enough alone. Of the fancy brands of cheese made in Canada, MacLaren's "Imperial," and Millers "Paragon," are the best known. It is nearly twenty years since these were first placed on the market, both appearing about the same time. The process of manufacsame time. The 'process of manufac-ture has never been made public and it is not necessary to go into it here. They are cream cheese put up in jars, which, as compared with what the ordinary cheese sells for, bring fancy prices. The last named is now sold in prints, like butter, only of different sizes. This method was adopted to which the cheese had here soid are costly and increased the price to the co-samer very much.

as well, if not better known outside of as well, if not better known outside of Canada than in it. It's largest market is in the United States, where a fac-tory is in operation for its manufac-ture. It is found in almost every civilized country the world over, and trade has been established that trade has been established that is likely to continue so long as the quality is maintained at a high standard. Travellers speak of seeing it on the bill of fare on railway dining cars, and in first-class hotels in Europe, Australia and other countries. It is perhaps the best advertised and the best known of any food product made in Canada. The originator of the brand was Mr. A. F. MacLaren, M. P., Stratford, Ont. That it is so widely known to-day is largely because of his personality and his splen-cause of his personality and his splen-cause of his personality and his splencause of his personality and his splendid advertising ability, though the article itself was of a kind that would

did advertising ability, though the article itself was of a kind that would appeal to the class of customers it sought for. Mr. MacLaren retired from active connection with the business of the connection with the business of the connection of the built up for this brand of cheese, it has been at the expense of more time and money than the ordinary individual could give to it.

There is, and there always will be a limited demand in this country for foreign brands of cheese, such as Roquefort, Edam, and the like. There are the conditions of the country for foreign brands of cheese, such as Roquefort, Edam, and the like. There produced, the conditions under which some of it is produced, their taste for it might wane. The MacLaren "Imperial" Cheese people now put up a brand of Roquefort Cheese in jars, that appears to meet with ready sale. Other foreign brands could be produced here in like manner, but it is very doubtful, withmanner, but it is very doubtful, with-out one were specially engaged in this line of work, whether it would be pro-fitable. The demand, as we have al-ready said, for this kind of cheese, is limited and some risk would be at-tached to a venture in a field where tached to a venture in a field where competition is strong, considering the extent of the market. Some fancy brand made to sell at a price within reach of the many might be made to go, but considerable capital would be required to carry the enterprize until a market was established. The ora market was established. The or-dinary factoryman is not in a posi-tion to do this but he can by supply-ing a better quality and better matur-ed Cheddar cheese greatly increase the market for this product.

A dairymen's convention will be held in Chicago during the National Dairy Show which takes pláce Dec. 2-10, inclusive. Subjects of. national importance will be dealt with by men well capable of doing so. These sub-jects will be of the highest interest to dairy farmers.

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THOUGHTS of courage and hope and highest expectation, growing habitual, may lift out and up many a weary pilgrim.



## A Hallowe'en Festival

By Virginia Frederick



tering good and bad fortunes.
Some clever girls, who thought that
the witch with her eat and broom had
become rather hackneyed, decided
that they would give a Hallowe'en
party of a different kind.
As a color scheme they chose the red
of apples, the yellow of corn, and the
varied coloring of autumn leaves.
Invitations were sent out on post
cards—each different—showing owls,
cats, leaves, grapes, corn, etc. The

Invitations wers sent out on post cards—each different—showing owls, cats, leaves, grapes, corn, etc. The garls wore white dresses with red or yellow sashes.

On the night of the party, the home. The night of the party, the home of the party, the home of the party, the home of the night of the party, the home of the night of kernels. The night of the nig



each was glu-de a slip of a slip of a slip of a slip of the men were put in a bag of red tis-sue-paper, and for the girls in a bag of yellow; these were suspended from a door frame and a blinfolded girl for the girls to gather. The other was opened by a man in the same way, and the guests matched fortunes to find partners. find partners.

find partners.

In one corner of the room an apple tree was represented by two step-ladders covered with green boughs, and suspended in these were red ap-



kinds of apple games. If a girl wishes to ascertain some facts about the man she is to marry, she must conform to the rules of magic. For instance, in trying to learn the true lover's name, it is absolutely necessary to begin peeling the apple at the end opposite the atem. The peel must be taken off

in one continuous ribbon, while the maiden employing the charm utters not a single word, but thinks all the



Biting at the Apple Suspended by a Cord.

time of the young man she likes best. one of the embleme used in connect. Then she must whirl the strip of peel to the strip of the strip of peel to the strip of the strip of peel to the strip of th

evening with gnost stories.

The Menu.
Witches' Brew Broomsticks
Turkey in Magic Rings
Salem Salad in Apple Cups
Nut Wafers
Cream Crescents Hallowe'en Cake
Coffee Bonbons Nuts

The brew was bouillion, served with brown and white bread sandwiches, blotting-paper, nine by eleven inches to turkey than mounted on it three leaves, cut was served in a ring of cranberry from leather in shades of tan and jelly. The salad was made of celery, apples, nuts, raisins, and mayonnabe burned and it is laced together by served in scooped-out apples. Pis- thongs of leather.



Bobbing for Apples in Pan of Water.

Bobbing for Apples tachio and vanilla cream was slied and cut into crescents. The Hallowe'en cake was brought in with red candles burning on it, and on the platter surrounding the cake was burning brandy, in which large raisins were brandy, in which large raisins were brandy, in which large raisins used to the flame. This is called "snap drangon" and the raisin grasped from the flame is supposed to bring good luck. Favors and Prizes.

Cigar Case.—Tan leather forms this simple case—it is decorated with a monk's head, and bears the quotamonk's bead, and bears the quotamonk's bead of the same and the surface of the case, the edges being stitched by machine.

Whisk-Broom Holder.—The rope is

other favor.

Owl Shaving-Case.—This owl's head is shaped with brown on yellow cardboard. It is then mounted on larger circles of yellow tissue-paper, pinked on the edges.

Black-Cat. Court-Plaster Case.—A little folder, with head of a black cat is slipped into a sheath of the same black paper—two and one-half by six inches—leaves of waxed paper.

Candle Shades.—The candle shades for decorating the rooms are made of cardboard and tissue paper. The foundation of the candle shade is cardboard or white Bristol board; it may be covered with dull red and green maple leaves of tissue paper in

green mapie reaves of tissue paper in autumnal tints.

Key Rack.—A seven-inch wood part is covered with tan leather, a cat's face is burned on it and hooks are screwed in it at intervals. It is suspended by leather thongs and tassels. [See next page for illustrations of articles escribed above].

. . .

#### A Barn Party for All Hallowe'en

The night before All Saints' Day is The night before All Saints' Day is the most sacred to midnight revels and rollicking fun of any day in the calendar for young folk. All the sprites of mischief are at liberty at nightfall, and their spirit is contagious. A crowd of girls wishing to entertain on this night lent themselves to the inspiration of the time, and as a result zowe an onportunity for a result zowe an opportunity for a a result gave an opportunity for a frolic which stays long in the memory of those who were fortunate enough to be present.

The guests who were the men, were The guests who were the men, were summoned by invitations printed upon corn husks, to appear promptly at the stroke of eight at the door of a new hay barn that had just been completed, on the edge of the town. The husks were rolled and tied with a twist of corn silk.

but on the eye or the town. Inchesks were rolled and twist of corn silk.

The next rew dued the country for autumn acress pumpkins and corn autumn acress pumpkins and contained and contained acress a



In a far corner of the loft was a black draped gipsy tent containing a tripod and kettle; within, an artis-tically garbed gipsy maiden told for-tunes by cards and read palms. At the top of the tent a box with a moon cut in its side and covered with yel-low paper shone down upon each who sought to know his fate. Just before

leaving the tent each man must look over his shoulder at the moon and learn the name of his future wife. As

learn the name of his future wife. As John Jones looked at the moon, a card was slipped into his hand bearing the name, "Mrs. John Jones." When the men approached the barn they were met by pairs of silent ghosts in sheets and pillow cases, and gnosts in sheets and pillow cases, and conducted to the barn. Here twenty more ghosts, all just alike, received them in absolute silence. This feature, of course, was a surprise to the



43.

Key-Rack, Twine-Ball Bag and Owl Shaving Case.

men, and they were completely mysti-fied as to "who's who?" and "what's what?" After some twenty minutes spent in vain guesses, a tall witch in a red robe, appeared, and handed each a red robe, appeared, and handed each man a paper bag containing twenty-five peanuts. Then, one by one, the sheeted figures were placed upon a block, and auctioned off for the first dance to the highest bidder, only peanuts being accepted as legal tender.



Maple Leaf Lamp Shade

The fun ran high until all were auc tioned off. Silence was maintained on the part of the girls until after the dance, in spite of all efforts of their partners to make them talk. When the sheets and pillow cases came off the surprises were genuine.

Immediately programmes decorated with candles and pumpkins done in



Your Son Daughter

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water colors were passed. They were filled out as for a dance, the first one being the old Virginia reel. Three "gentlemen of color," with banjoes and a violin, furnished the

music.

The tunes were all old stand-by's, such as "Money Musk" and "The Arkansas Traveler." When partners were sought for the second number, there came another surprise. The girls led the way to the loft. Here were tubs of apples to bob' for, apples suspended on strings to try your teeth on and heaps of apples to pare and test the future by casting the unbroken paring over the left shoulder, beholding it coil into the initial of one's future mate. one's future mate.

Dances and old time games occu-pied the next three numbers. All were then seated in convenient corners on the stairs and floors, and little baskets the stairs and floors, and little baskets made from purple egy-plant and filled with cracked nuts were passed. Each basket contained an English walnut, which when cracked revealed a for-tune written on very thin paper that had been concealed within the shell. Bright new horse shoe nails were used as nut picks. More dances and games of olden times filled out the programme.

When supper time came it was an-When supper time came it was announced that the next number was not upon the programme, and would be lady's choice. At a signal the girls rushed to the end of the loft, where a mass of yellow tissue-paper chrysanthemums had been banked: each took two, and pinned one upon the gallant she desired for her partner at supper. It was great fun to see the anxious look on the men's faces before they were chosen. The girls purposely deliberated before this choice, "just to let them see how it felt for once."

felt for once."
Supper-was served in the carriage room. A long table in the centre of the room was spread with baskets made from large pumpkins filled with well-sugared doughnuts, pumpkin nies and all the harvest fruits; baskets made from gourds were filled with areas golden. Coffee was served, a camy golden. Coffee was served,

and in either corner a time-blackened keg of sweet cider was on tap. Once more the banjoes sounded, and the strains of "Home, Sweet Home," called us to a farewell waltz,

This entertainment was an unusual access, and all that it required was a

little time from each girl. We all helped decorate the lawn the day before and put the last touches on the morning before the affair, so we were free by noon of that day. Two girls who were artistically inclined painted the



Whisk-Broom Holder, Apple Stamp Book and Other Favors.

ranged the egg-plant baskets, and an other couple made the walnut for-tunes. The rest all worked on the chrysanthemums. A committee of three had charge of the general ar-rangements that night, to see that all

went well.

The cost of our festivities was very slight. Our decorations were all do-nated. The festoons of corn we renated. The festoons of corn we re-turned. Our musicians charged us a dollar each. The paper for the chrys-anthemums and incidentals came to three dollars, and the supper, apples, nuts, etc., included, came to fifteen dollars thus making a total of twenty-one dollars for the entertainment of forty people.

#### A Sensible Hall Stand

is a sensible device for the hall, and one that is not beyond the ability of the home wood worker. This stand has hooks at each side to hang coats and wraps upon. It may well have two or three half way

three half way down, as well as at the top, to hang children's garments
The u
holder holder has a drawer for a base, which is lined with galvanized iron, so that the water from wet umbrellas can be emptied out in a moment. Any tinsmith will make a tight lining of this sort. Above is a hat closet for both men's and women's hats,

Luese aro much better kept on shelves, shut away from dust, than upon hooks, where their weight soon pulls them out of shape. The whole pulls them out of shape. The whole case is so plain in treatment that it is readily made, and yet is of such artistic proportions that it will be an ornament to the hall. Use handsome ty grained wood and finish with an oil polish. The front of the closet door in the cut shows a looking glass which will be found a great conven ience. In fact the closet door is shimply a framed looking glass, with of the convenience is not be such as the convenience. In fact the close the convenience is not be such as the convenience of th

DE DE DE

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DATE CAKES

One cup of flour, 1 cup of rolled oats, 2 tablespoons of brown sugar, 2 teaspoons of baking powder, half pound of dripping, lard or butter, milk to roll out, cut in small squares or round with eake cutter, put dates between and bake in slow oven.

LEMON CAKE

Half cup of butter, 2 cups of sugar, 1 cup of milk, whites of 4 eggs, 2 teaspoons of baking powder, rind and juice of 1 lemon, 3 cups of fiour. I cing: Twelve tablespoons of pulverized sugar, whites of 2 eggs, grated rind and juice of 1 lemon.

LAVER CARE

Two eggs, % cup white sugar, 3 tablespoons butter, small % cup sweet milk, 2 teaspoons baking powder, 1 good cup flour, flavor with vanilla. Cream Filling: One cup milk, 1 teaspoon corn starch, 1 egg, 1 tablespoon sugar. Boll and flavor with vanilla.

SALMON SOUP

Heat a quart of milk in a double boiler with a slice of onion and thick-en with a tablespoon of flour creamed into 1 of butter. Add a teaspoon of salt, a speck of cayenne and half a can of salmon which has been chop-ped very fine. Serve when thoroughly hot.

CHICKEN SOUP

Always save the bones, shreds of meat and the gravy from stewed chicken for the soup kettle. If the

"Puritan

Reacting Washing Machine This special feature

alone, makes the "Puritan" the easiest running washing machine made. And the "Puritan"

has several oth

improvements tha

woman who is going

are almost as important, to

> tise the

fowl is baked, add the bits of dressing for seasoning. Crack the large bones, pour over a sufficient quantity of cold water and place it on the back of the range where it can simmer gently for three or four hours. Season with salt, pepper, sage nad butter. Just before serving, remove the bones, strain, the thickening. Turkey and wery lit-tle thickening. Turkey and were the

MEATLESS VEGETABLE SOUP

Chop 3 carrots, 3 turnips and 3 Chop 3 carrots, 3 turnips and 3 conions fine and simmer 30 minutes in 3 quarts of boiling water. Then add a pint of stewed tomatoes, a small cabbage chopped fine and a bunch a strain and add pepper and all to taste, 1 teaspoon of sugar, 1 half cup of sweet cream and 1 tablespoon of flour stirred into two tablespoons of water. Allow it to boil up and serve. A dash of cayenne pepper improves the flavor.

#### . . About Potatoes

Potatoes are at their best in the fall and keep well through the winter. By spring the starch is partially changed to dextrin, giving the potatoes a sweetness, and when cooked a waxiness. The same change takes a special content of the same change takes and the same change takes are the same waxiness. The same change takes place when potatoes are froze... Potatoes keep best in a cool, dry celar, in barrels or piled in a bin. When sprouts appear on potatoes they should be removed as they receive their nourishment from the starch, and thus take from the value of the ve getable.

New potatoes

New potatoes may be compared to unripe fruit, the starch grains not as a premium one of the little banks having reached maturity; therefore, they should be excluded from the dictaries of children and invalids.

Potatoes are most easily digested when baked in a hot oven with their

**Keessessessessessesses** en from the oven the skins should be ruptured, thus allowing the steam to escape, preventing the potatoes from soggy.

#### . . Banks For All

Cne little girl we know has start-Cne little girl we know has start-cd to save her pennies in our little bank. Who else will join the list? During the winter months, when there are so many extra tasks to be done by the boys and girls on the farm, odd pennies now and then can summer. Our older boys and girls will be able to save more money, perhaps than than than their younger brothers and haps than their younger brothers and sisters. Why not secure for us two new subscribers for our paper for



This little bank is in the shape of a basket, and holds 300 ten cent pieces; the first ten cent piece pieces; the first ten cent piece locks the bank and it cannot be open locks the bank and it cannot be open-ed then until fifty ten cent pieces, or \$5 has been put in the bank. Only ten cent pieces are supposed to be put in the bank, and each one as it is deposited, registers the amount of money on the cover of the bank. of money on the cover of the bank. The fiftieth ten cent piece when it is put in the bank unlocks it and the \$5 can then be taken out and put in the big bank, or used as desired. If it is wished to leave all the money in the bank until it is full, the fifty-first ten cent piece will lock the bank avain. We can sell these banks

only as a premium.

Try and secure for us two new subscribers and start a bank account for yourself. You will be surprised how fast it will grow.

To destroy worms in flower pots stick a quantity of sulphur matches head downward in the mould and then water the plant. The matches will soon poison the worms.

BABY'S OWN Imparts a Fragrance and softness to the skin unobtainable

by other means. Best for Baby, Best for You. ALBERT SOAPS, LTD. MONTREAL

## The Sewing Room

Patterns 10 each. Order by number and size. If for children, give age; for adults, give bust measure for waists, and waist measure for skirts. Address all orders to the Pattern Department. K------



anni Fancy Tucked



Skirt, 22 to 32 waist



6083 Girl's Over ress, 8 to 14 years.

6084 Long or Short Kimono, \*mall 32 or 31 Medium 36 or 38, Large 40 or 42 bust

#### DE DE DE

Keep a stock of paper napkins in the house, and see how much they will save washing out cloth. The cheapest grade of paper napkins can be bought for ten cents or less a hundred. Keep some in a convenient place and use them for polishing lamp chimneys and windows, rub-bing stream of the dishe, before put-bing stream of the dishe, before put-day the place and the salves, and for wiping dust of the shelves.

One way to clean rugs when very dusty is to hang them or, the clothes line and wash them thoroughly with the garden hose. They should be dried flat on the grass, as they will pull out of shape if left on the line. If you object to washing them try brushing them with a whisk-brom dipped in gasoline, after they have been beaten. Be sure to do this outdoors.

M M M

Write us for list of Household remiums. It will interest you.



does away with all the dirty ork of keeping stoves clean No mixing-no hard rubbing. "Black Knight" is always ready to use—shines quick as a wink—and puts on a bright, black polish that the hottest fire can't burn off. Equally good for Stoves Pipes, Grates and Ironwork.

If you can't get 'Black Knight' in your neighborhood, send name of dealer and 10c for full sized can.

The F. F. DALLEY CO LIMITED HAMILTO'I Ont

ite" churns sold in Canada than all other makes combined. Patent foot and lever drive. Made in 8 sizes to churn from ½ to so gallons of cream. If your dealer does not handle these household

"Favorite" Churn

Is the favorite. There are more

ite" churns sold in Canada

DAVID MAXWELL & SONS St. Mary's Oct.

this publication when writing to advertisers

#### neccestracaccecceccecce? COUNTRY NOTES AND PRICES น้อยของจองอยของของจองจองจอง

FRONTENAC CO., ONT.

FRONTENAC CO., ONT.
GANANGOUE.— The pastures are dried
up and farmers have started feeding already. The milk supply is reported to be
only two thirds of the supply at this time
erop is all harvested in good condition.
The weather has been very dry and cattle
are suffering from want of water. Hops,
are suffering from want of water. Hops,
delenkes, 60e a pair; milch cows, 820 to
450 each; springers, 840; postoce, 81 a
bag; fresh eggs, 250 a dozen; creamery
patters, 250, thindy hay, 850 are de cheese,
822; oats, 40e a bushel—R. J. Le
PPINCE EDWARD CO., ONT.

PRINCE EDWARD CO., ONT.

PRINCE EDWARD CO., ONT.

HILLIER.—We are having ideal October
weather. The dry season was broken by
if a few days by a heavy frost which
finished the tomate crop for the canning
factories. As the yield of tomatoes was
enormous a great many farmers turned
an increase in the milk supply. The farmers are harresting potatoes and applea.

The potato crop is fine: the tubers are
large and of a fine quality. The farmers are
large and of a fine quality. The farmers are
season with auction sales, political meet
ings, meetings in the interest of local option and institute meetings. Plowing is
backward, yet all seem to be busy, some
large, and the proposition of the proposition
ings, others remodelling what they have.
The pumpkin crop, a very important one,
must not be forgotten. How the lads enjoy bringing in the great loads, storing
late, which was a surely we have had a bountifull harvest; with what grateful hearts
we should raise the sorig of harvesttimes—W. A. F.

HASHINGS CO., ONT.

HASTINGS CO., ONT.

HASTINGS CO., ONT.

TURIFF—Grain is yielding well. The dry weather prevailing throughout September made it an ideal month for threshing the second of the se

THE RIDGE. — The farmers have their potatoes all out now, and report a fair of a root size of a

Potatoes are all harvested and on the whole are an average crop. A great many patches of turnips do not look very well, the tops being completely wilted. Other patches, although covered with the louse, are keeping quite green. On the whole the turnips are a very good size but: it is very doubtful whether they will keep well—M. J. P.

VICTORIA CO., ONT.

WOODVILLE.-Dry weather is still pre-valling. It is telling seriously on the root crop: plowing is very hard. The farmers that have threshed report a very good turn out of grain. Asiles is doing very well, some of it going as high as eight bushels to the acre, and although the bushels of the acre, and although the is the serious of the serious control of the is the serious of the serious control of the MARIPOLOGIC STATES.

market is not as good as it has been it is still in surjust group—3 to many plowing and taking up their mancoids. The plowing good hard although it is better than it was at the beginning of the season. With the early start we get most support of the season of the seas

BRANT CO., ONT.

BRANT CO., ONT.

PALKLAND.—Pall wheat seeding is practically completed. Wheat is coming updated with the seed of the property of the complete of the seed of the complete of t

OXFORD CO., ONT.

OXFORD CO., ONT.

NORWIGH.—Parmers are still looking were an another than the control of the con

fering. They are an evenly fleshed lot of cattle. They were selected from Mr. H. D. Smith's herd about a year ago, and among simility herd about a year ago, and considered the state of the weak at the Canadian National as of the ved at the Canadian National as a three year old at Sherbrooke this year. The stock bull, "Dusmoor Ingles side," and heads the herd. He is a low feel of the state of horses, and lift the potatoes from the drills, shake the dirt all off and throw the clean potatoes into crates. Apples are very poor, excepting perhaps the "Ben Davis," which are a poor variety at their best. The dry September caused the ap-ples to fall prematurely, and they soon decayed on the ground. Turnips have gone ples to fall prematurely, and they soon decayed on the ground. Turnlep have gone bad and the odor entitled from some patches is not a pleasant one to inhale moth ones are seen at the fall fairs. The fall wheat on loamy lands, that was plowed and worked early and well. Is looking splendidly, a beautiful green mass overing the entire surface. On dry elay land the wheat looks very patch, and never will. Threshing is about finished, the crops all around yielding first-class and sample O.K. The manager of Delaware cheese factory reports everything satisfactory, and the best season's output in all his experience. Notwithstanding the drought he is making more cheese me at Lambeth fair the quicker the farmers of Ontarlo got to four Us, the better for themselves, and these four are—Cows, Corn, Cheese, Cash.—J. E. D.

RANN RIVER, DNT. side." 3rd, heads the herd. He is a low set deep bodied bull with very even fleshing throughout. He was shown this fall as a yearling and was thought worthly of the male diploma for the breed at 8her-brooke. There is also on offering a pair of bull calves that would be hard to

RAINY RIVER, ONT.

SLATE RIVER VALLEY.—This is the season of root harvest, threshing and harvhaling. The potato crop is a good and potato crop was a crage yield. The grain crops are an average yield with the exception of barley and peas, which are above the average quality of cals was affected by early runt. Some varieties were very little affected. The hay crop was about as usual, but the weather being good the crop was well ing to the large percentage of clover in the pastures stock are in good condition in the pastures stock are in good condition. It has been a good daily eason. The demand for milk in Fort William has been been quite common during the dry weather but except in the therefore the common during the dry weather but except in the theorem of great assistance in clearing the land. Plowing is difficult on cr. All crops are finding a ready market in Fort William and Port Arthur at promisely products are being marketed earlier than usual.—6. B. H. GOSSIP

GOSSIP

A Prize Winner.—D. E. Morlock, Morris-ton, writes: "Your letter at hand. I think ABSORBINE the best remedy I have ever-used. Have a fine yearling carriage colt hand. Harden are restingly always before that got a bog spavin a few days before the Guelph show. I used ABSOBBINE as directed from 4 to 6 times a day, rubbing it in well and inside of a week you could the red ribbon at Guelph and at four other shows after the cure. Whenever I hear of a neighbour having trouble with his stock I hand him one of your pamphhard to be a superfect of the control of

ISALEIGH GRANGE STOCK FARM DIS-PERSION SALE.

has been quite satisfactory. Very good crops; high priess, and farm help more placed by a smith price as has year.—A. B. C. NORTHUMBERLAND CO., ONT.

WIOKLOW. — Parmers in general have since the rain been making the best of their time in plowing, trying to make up weather, all of the Zing of the satisfactory of their time in plowing, trying to make up weather, all of the Zing of the satisfactory of their time in plowing, trying to make up weather, all of the Zing of the

brooke. There is also on offering a pair of bull calves that would be hard to come the control of the control o

AYRSHIRE NEWS

The Canadian Dairyman and Farming World is the official organ of The Canadian Ayrahire Breeders' Association, all of whose members are readers of the paper. Members of the Association are invited to send items of interest to Ayrahire breeders for publication in this column.

The record made by the Ayrshic cover. Rena Ross, 16838, 15072 his mith. 181 his butter in one year, under the official direction of the Pennsylvania Experiment Station and the Ayrshic preders' Assume the Ayrshic preders' as the capabilities of this breed. There is an ever increasing interest in them by breeders who are looking for beautiful high-class direct cuttle, combining great made of the control of the other pred associations have done for their favorites, but the breed done for their favorites, but the breed done for their favorites, but the breed under the other pred associations have done for their favorites, but the breed done for their favorites, but the breed under the control of the other pred associations have done for their favorites, but the breed under the control of the other pred association have done for their favorites, but the breed under the control of the other pred association have done for the ot

# BOOKS

DANCE LOT CHEERING LEGISLE		
A.B.C. of Agriculture By S. T. Maynard	80	80
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BOOK DEPARTMENT,		
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THE CANADIAN DAIRYMAN AND FARMING WORLD Peterboro, Ont.

MARKET REVIEW AND FORECAST

Toronto, October 19, 1990 — While there has relief to the season of the year. There is a feeling that not much real improvement, general trade is due to first the season of the year. There is a feeling that not much real improvement will be noticeable till next spring, the season of the year. There is a feeling that not much real improvement will be noticeable till next spring, the season of the year. There is a feeling that not much real improvement will be noticeable till next spring, the season of the year. There is a fair demand for money for mercantial in some lines has already set in. There is a fair demand for money for mercantial in some lines has already set in. There is a fair demand for money for mercantial in some lines has already set in. There is a fair demand for money for mercantial purposes. Banks, however, are particular purposes. Banks, however, are particular purposes. Banks, bowever, are particular purposes. Banks, bo

#### WHEAT

VHEAT
The wheat situation has changed but the state of th for goose.

#### COARSE GRAINS.

COARSE GRAINS.

The oat trade is quiet and prices are a little lower, dealers here quoting 50% to 35e for Ontario oats outside. Stocks are as a second on the control of the control of the control oats outside. The barley market is also quiet excepting for good maiting barley, which is none too quote barley at 56 to 55% outside and 57e to 58e a bushel on Toronto farmers' market, and outs at 48e to 46e. Maiting barley is quoted at Montreal at 66e to 57e for the control of the control fallen off somewhat and prices are lower at 85c to 86c outside.

There is no change in the bran situa-tion. Supplies continue scarce and prices

#### FOR SALE AND WANT ADVERTISING

#### TWO CENTS A WORD

READ BY 15,000 PEOPLE WEEKLY THIS DEPARTMENT is one of the most aluable in the Paper. At a cost of only Two ents a word, you can advertise anything you rish to buy or sell, or situations wanted or accept.

vacant.
THE ADDRESS must be counted as part of
the advertisment, and each initial or a number
counts as one word. Minimum cost 25 cents
each insertion. When replies are to be sent to
a box at our Office, it cents extra is charged to
pay postage on replies to be sent to advertisers
cach must accompany sead order.

COPY must be received Friday to guarantee

NO BLACK-FACED TYPE or display of my kind will be allowed under this head, thus naking a small advertisement as noticeable as

This trade is quiet and owing to the lack of orders dealers are not active buyers. Alsike is quoted at \$6 to \$7.50. timothy at \$1.55 to \$1.75, and red clover at \$4.50 to \$5 a bushel, according to quality

POTATOES AND BEANS
Owing to a falling off in supplies the
Montreal potato market is reported firmer at 70e to 75e a bar in car lots. Receipits were heavy here at the end of the
ear lots for Ontarica. The deal to 15e a long in
market potatoes sell at 75e to 50e a bag.
The bean market is easer. 'At Montreal
new Ontario beans are quoted at \$1.50 and
beans are beginning to arrive on this
market and quotations are lower at \$1.50
for primes and \$2 a bashe for landtime of the property of the control of the contr

#### EGGS AND POULTRY

the trade. EGGS AND POULTRY

The erg market keeps firm though it is rumored in Montreal that dealers there will lower prices in order to prevent the property of the property

#### FRUIT

Unsatisfactory, reports continue to arrive of apple consignments reaching Great Britain in poor slack condition and bringing losses to shippers. A great deal of the losses to shippers. A great deal of the been kept at home as it only demoralized the market and injured the sale of good fruit. The lesson has been learned and fruit. The lesson has been learned and report of the sale of good fruit. The lesson has been learned and price. The warm weather is not favorable to the trade in fail fruit. On Toronto fruit market apples are quoted to basket. a bbi. and grapes at I've to de a basket.

FARMS FOR SALE

So ACRES: soil, clay and sand loam, remiles from Injured the loan profitable market and profitable market and profitable market and profitable prices. The warm weather is not favorable to the training and the loan test of profit market is somewhat a mystery. The dry particulars, reason for seeling, etc. address lios. "M" Ganadian Dairyman, Side a basket.

MISCELLANEOUS ADVERTISEMENTS

MISCELLANEOUS ADVERTISEMENTS

MISCELLANEOUS ADVERTISEMENTS

MISCELLANEOUS ADVERTISEMENTS

MISCELLANEOUS ADVERTISEMENTS

MISCELLANEOUS APPENTISEMENTS

MISCELLANEOUS APPENTIS

Horse trade seems to be picking up. Good horses are hard to buy in the country at prices that will enable dealers to the profit on selling them here. Many seems to be seen to make sacrifes this year Nevertheless the horse business has a healther outlook though prices are like to rule on a lower scale than a year see. At the West Torout Horse Ex.

although trade is not steady enough for resular quotations.

LIVE STOCK

The cattle markets were surfeited last week with a big run of inferior stuff. In face the total run was the largest of the face the total run was the largest of the composed of 346 cattle, 326 hope, 375 sheep and lambs, and 580 calves. Although the largest of the composed of 346 cattle, 326 hope, 375 sheep and lambs, and 580 calves. Although the largest composed of 346 cattle, 326 hope, 375 sheep and lambs, and 580 calves. Although the largest complex of the largest continuous largest consequent of the largest consequent to the largest consequent to large consequent largest consequently largest consequently

# THE BEST LINIMENT

Gombault's

## **Caustic Balsam** IT HAS NO EQUAL

For -It is penetrat the Borns, Br Human Corns Body " Li

ternal use. Forsisted therough use will cur many old or chronisiments and it can bused on any case the used on any plication with perfect safety.

Perfectly Safe and Rollable Remed Sore Throat Chest Cold Backache Neuralgia Sprains Strains Lumbago Diphtheria Sore Lungs Rheumatism and all Stiff Joints

A

Cornhill, Ter.—"One bottle Caussie Seisame on y rheumsism mere good than \$130.00 paid detor's bills." OFTO A. BEYER Price \$1.60 per bottle. Sold by druggists, or as by us express prapaid. Write for Booklet R. The LAWRENCE-WILLIAMS COMPANY, Toronto, Co to Cus

\$5 to \$5.90 for Yorkers; \$4 to \$4.80 for pigs; \$4 to \$4.25 for stages, and \$5 to \$5.25 a cwt for datries and greasers. The English bacon market has declined during the week. The Trade Bulletin's London cable of October 15 reads thus: "The market is quiet at a decline of 2s. Stocks, thowever, are light, and holders are not pushing sales. Canadian bacon \$56 to

#### UNION STOCK YARDS PRICES

West Toronto, Ont., October 19.—There-were 62 cars at West Toronto cattle mar-ket this morring composed of 1990 cattle,679, slow. Choice cattle are no lower in price than hast west but they are searce and the bulk of the offering was of the unfinished class, which is too plentiful on the market just now. Some exporters of fair quality sold at 43,0 to 43.0 a cwt. There quality sold at \$4.30 to \$4.00 a cwt. There were few butchers' cattle sold over \$4.50 a cwt, the bulk selling at about \$4, and inferior. The sheep trade was slow at \$3.25 to \$5.50 for ewes; \$2.50 to \$2.75 for rams and \$4.35 to \$4.55 a cwt for lambs. Calves were lower and sold at \$3 to \$6 a out, the bulk bringing about \$7 each. Hogs are lower at \$6.2 fed and watered, and \$6 a cwt fab.—3. W. W.

#### THIS WEEK'S HOG PRICES

The William Davies Company, Toronto, will this week pay 86 a cut f.o.b. at country points for hoge. This is 15c a cut lower than last week. It is getting late in the fall when prices usually drop, though the indications are that the drop will not be as severe this year as it has been sometimes. The American market is lower. The supply of hoge just now is a little before until quantity at this time of the year.

#### PETERRORO HOG MARKET

Peterboro, Ont., October 19, 1998.—
The local market is very weak; caused by heavy deliveries and a lower market in the United States. The Buffalo and Chicamarici. The deliveries there are not very large and it is hard to say just what is causing the lower market. The George Matthews Co. quote the following prices for this week's shipments: f.cb. country points, \$6 a cwt; delivered at abattoir \$6.25; weighed off cars, \$6.50.



### EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHEESE
The cheese market this week opened
with a decidedly easy tone and country
markets showed a still further decline
in prices, as loved to the further decline
in prices, as loved to the further decline
in prices, as loved to the further decide
the markets in the province of Quebec
ruling about 11½cc. Towards the end of
the week however there was more enquiry from the other dide eppelied
points advasted a couple of points, and
as high as 13 3-16c was paid for colored
cheese, white ruling at 11½c to 15c. Wheth
er or not this improvement in the demand
will be continued text week remains to love

## HOLSTEINS

#### HOME-BRED AND IMPORTED HOLSTEINS



We must sell at least 25 cows and helices at once to make room for the natural increase of our herd. This is a chance of a lifetime to get a good bargain; we also have a few young bulls. Pontiac Hernes, Imp., son of Honderveld DeKol. world's greatest

H. E. GEORGE. Putnam Stn., 1% miles-C. P. R. E48-09

#### SUNNYDALE HOLSTEINS

SUNNYDALE HOLSTEINS
FOR SALE—schip bred bulk (keys le Kol No. 403 Vol. 9. Dam, Helena De Aoi's DeKol, with official butter record of 201b. in 1 dys. at 10 yrs. old. Sirve data, Margia Keys of 230 lbs, in dys. Dam is half state to Engayered DeKol and Pieterlje Hangervell's Could DeKol, the two champion bulk of the bred. He is 3 years old, kind and right every say, Risk. 42666 A. D. FORTER, Bloomfield, Ont.

#### SPRINGBROOK HOLSTEINS AND TAMWORTHS

32 Choice Young Tamworths, from imported sows and streed by imported Knowel King David. A few rich bred Holstein bulls and several females. Bargains to quick buyers.

A. C. HALLMAN,



HOLSTEINS I have only three sons of Brightest Canary to offer for sale. Speak quick

GORDON H. MANHARD Leeds Co., Ont.

EVERCREEN STOCK FARM Holstein cattle and Tamworth swine, Bull calves for sale, with good official re-cords behind them; also Tamworth spring pigs. For particulars write THOMAS DAVIDSON, Spring Valley P. O. O.4.21.09 Brockville Station.

## MISCELLANEOUS

JOS. FEATHERSTONE & SON, Streetsville, Ont. Large Yorkshirk Hogs for sale. E-11-00

R. H. HARDING, Mapleview Farm, Thorndale, Ont. Dorset Sheep a specialty. Telephone. E-3-17-09

J. A. GOVENLOCK, Forest, Ont. Herefords, Canada's Treatest winners. Toronto and Loudon, 1907-1908 Loudon, 1907-1908. Stock, all ages, for sale.

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

LEICESTER SHEEP, CHESTER WHITE SWINE Toulonse 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

LOCHABAR HOME FARM Offers some high-class Shorthorn Bulla. Leicester Rams and Ewes, sired by "Knobe," winner at 8t. Louis World's Fair, also at Fortinal, Oreson, and other leading exhibitions. "Knobe" is also for sale, and some choice Berkshired, all ages. Write To OFFAMASS. Wangstond, Original Control of the 0-7-09 D. A. GRAHAM, Wanstead, Ont.

#### PINEGROVE BERKSHIRES

Stock of all ages from imported and Canadian bred sires and dams of the choicest breeding for sale and guaran-teed as represented; write for particulars.

#### Cheese Board Prices

BOARD	Date of Meet'g	WHITE CHEESE			COLORED CHEESE		
		Boarded	Lowest Price	Highest Price	Boarded	Lowest Price	Highest Price
Madoc	Oct. 14 " 14 " 15 " 15 " 15 " 15 " 16 " 16 " 16 " 16 " 16 " 16	580 1,678 W. 342 2,640 990 454 800 1,015	11 <sup>2</sup> bid & C. 11 <sup>2</sup> bid few sales 11 <sup>1</sup> / <sub>4</sub>	11½ no sales 11½ 12½ 11½ 11½ 11½ 11½ 11½ 11½ 11½ 11½	480 1,509 132 130 1,180 271 100 468 1,345 1,829 358	11 <sup>3</sup> / <sub>11<sup>3</sup>/<sub>4</sub> bid 11<sup>3</sup>/<sub>6</sub> offrd. few sales 11<sup>4</sup>/<sub>2</sub> no sales higs't bid 11 13-16</sub>	11 13-16 11 13 11 13 12 11 13 12 11 13 12 12 12 12 12 12 12 12 12 12 12 12 12 12 1

MONTREAL PRODUCE TRADE.

Montreal Saturday, October 17.—Egga—
The market for eggs is steady and practically unchanged from last week. Receipts are coming in freely but there is a good demand and there is no stock acceptance of the state of

Cheese.—There is nothing new to say about cheese. There is a fair demand at prices ranging from 12½c to 14c a lb.

GOSSIP

The Iowa State Board of Control will soon have 1000 Holstein cows at its different institutions. Different breeds have close to the control of the control o

will be increased—d. W. Glemons.

R. H. Harding, Thorndalo, Ont. writes:
"The Mapleview fleek of Dovest sheep is now at home quietly resting after a very successful trip to the leading Canadian shows, where they won in the strongest competition, more than half the prizes, all bunch for the Provincial Winter Pair at Guelph, and are still hoping to show at the International, (Chiesago, 14 it is arranged that Canadian stock can leave that If it is not so arranged I believe that very few Canadian sheep will be shown at the International. I have a few choice ewes and rams that will be sold at very new crop of lambs which will commence to arrive in December."

OPPORTUNITY IN RAILROADING

Bams and Ewes, sired by winner at Bt. Louis Worlds with the world of t

seen. If it does there will certainly be no further fall in prices, as at this season of than many other trades, due to the rational forms of the seen of the seen

BOG 18-74 N.-Charles E. West, Goteloo.
Okla., writes: "I purchased ABSORINES
from the druggist and applied according
to directions as given for bog spavin, and
had grand success. One bottle was enough
to do the work: I can give all praise for
bog spavin above all other medicines that
I tried, and I tried a good many different
kinds." ABSORINE pseudrates to the
seat of the trouble promptly and effects
hair. 32 a bottle at druggists Mig. by
F. Young, P. D. F. 125 Monmouth street.

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BOOK DEPRIMENT THE CANADIAN DAIRYMAN AND FARMING WORLD PETERBORO - - CANADA

#### AYRSHIRES NEIDPATH AYRSHIRES

Bull Calves dropped this spring. By imported Bull. First prize Toronto, Ottawa, and Halifax. Long distance phone e-4-09 W. W BALLANTYNE, Stratford, Ont. AYRSHIRES AND PONIES

A few bull caives of 1908, and a fine pair of young light bay imported Shetland mares for sale. P. A. BEAUDOIN, 107 St. James St., Montreal. 0-8-2-08

LAKESIDE STOCK FARM Ayrshires, Clydesdales, and Yorkshires-Special Bargain to quick purchaser to make room. One two-year-old bull-white few brown spots. Sire, the Don (8855) Dam, Glenora Sally (11424.)

GEO. H. MONTGOMERY, Prop O.5-19-09 St. Armand Stn., C.V.Ry. Philipsburg, Que. O-9-8-09

SPRINGBROOK AYRSHIRES rge producer of milk, testing high in butter fat g stock for sale A few choice bull calves of eady to ship. Prices right. Write or call or e-4-1-00 W.F. Stephen, Huntingdon, Que.

#### AYRSHIRES FOR SALE

Male and female, all ages, including the famous stock buil, "Not Likely, of Ste. Annes, 19740." Come and see this offering. Also Yorkshire pigs.

HON. W. OWENS, Proprietor.

Riverside Farm, MONTEBELLO, QUE. Hon. W. Owens, Proprietor. O-6-16-09

SPRINGHILL AYRSHIRES

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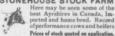
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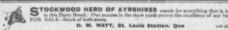
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