

### FARM AND DAIRY



It is no longer a question of "Is a Separator necessary," but "What machine shall I buy?"

Every make of Separator has some good 'talking points,' but as 'talking points' don't skim the milk, the safest way is to buy a machine that has something else to commend it. The construction of

# THE SIMPLEX LINK-BLADE SEPARATOR

is so different from other makes that comparisons are useless. You may have been disappointed with the results of some other machine, but a month's free trial of a SIMPLEX SEPARATOR will convince you that it is a machine that is sold on its merits and not by a smoothtongued agent. Exclusive features of the Simplex are the Link-Blade and Self-Balancing Bowl.

# D. Derbyshire & Company

Head Office and Works: BROCKVILLE, ONT. Branches : PETERBOROUGH, ONT. MONTREAL and QUEBEC. P. O.

WE WANT AGENTS FOR A FEW UNREPRESENTED DISTRICTS



on the name of this muhl

### April 29, 1909. A PROVINCIAL DAIRY FARMS COMPETITION WILL BE HELD

#### The Final Announcement About the Big Competition to be Held This Year by Farm and Dairy.

Farm and Dairy has decided to extend the dairy farms competition, that is will hold this year, so that if will include the whole provinces of Ontario, excepting only the unorgan-ized districts. Eastern and Western Ontario will be divided at Yonge St., Toronto. Eastern Ontario will be sub-divided into two districts. The dividing line will run north from a point at or about Kingston. Western Ontario, abou, will be sub-divided into two districts. The dividing line will run from Hamilton to Goderich. The Western Ontario will be divided into districts. The dividing line will run from Hamilton to Goderich. The Western Ontario will be divided in orthern and southern districts. The diding lines here given may be district described the convenience of the judies in the the start of the elistrict described the start of the found necessary the districtive be found necessary the districts about an equal number of entries.

an equal number of entries.

#### THE PRIZES

Fifteen prizes will be offered in each district this year, or 6v in all. Five splendid gold and ten silver medals will be offered in each district. Next year the prize winning farms this year in Eastern Ontario will be given an opportunity to compete for special prizes that will be offered to deterprizes that will be offered to deter-mine the best farms in Eastern On-tario. A similar competition will be held next year in Western Ontario among the farms that win prizes

this year. The third year, the farms that win prizes next year in both Eastern and

#### **Replenish Your Stock**

Keplenish Tour Stock Send us only asven new yearly subscribers to Farm and Dairy and we will send you, alsolutely frev of cost, a pure bred pig, of any of the standard breeds, with pedigree for registration. It should not take you asven hours to secure seven new subscriptions to Farm and Dairy. How could you earn a pure bred pig easier F Circulation Dept. Farm and Dairy, Peterboro, Ont.

Western Ontario will take part in a final competition to determine the best farms in the province. In ad-dition to the medals that will be dition to the mediais that will be offered as prizes each year, handsome diplomas, that can be framed and kept for years, will be given to all competitors who win prizes.

#### A CHANGE IN PLANS

It will be noticed by the foregoing announcement, that a change in the plans of the competition, as described in the April 8th issue of Farm and Deiry, has been made. At that time the members of the committee who will assist in the management of 4how will the members of the committee who will assist in the management of the com-petition, expected that it would be possible to secure the assistance of some of the officials of The Dominion possible to secure the assistance of some of the officials of the Dominion Department of Agriculture as judges in the object of the second second second the competition. This is conducting the competition. This is conducting the competition. This is conducting the competition. This is a conduction fore, instead of offering large cash prizes in each district, as we first proposed, to offer gold and ailver medals instead, as well as handsome diplomas. More prizes will be offered in each district than there would be were eash prizes given. In the announcement about the competition that was made in the April 8th issue of Farm and Dairy it was stated that cash prizes would be offered in the Midland counties of Ontario this year. As no entries had

been received from this district, the members of the committee have felt free to change the prize list as here announced. If however, any intending announced. If however, any intending competitors in the Midland counties feel that this change in the prizes list is unfair to them, Farm and Dairy will pay them any of the cash prizes first offered they may win, provided they send us their entry provided they send us their entry on or before May 10th with a state-ment that they desire to compute any intending a cash prize instead of a medal.

A SPECIAL COMPETITION

A BREAL COOPERTING A BREAL COOPERTING In addition to the foregoing com-petition, Farm and Dairy will hold special competition this year in the counties of Peterboro and Durhan. Two gold and three silver medals will be offered in each of these count-ies for the best farms of any class. As announced in the April 8th issue of Farm and Dairy, the com-peting farms will be judged twice, once about the first of July and once about the month of December this year. The farms that score the high-est on the two judgings will be given the prizes. To assist in meeting the expense of the competition an entry feed two dollars will be charged on serves in that is entered. For the pressing the forwarded to five 230 farms und be forwarded to Fived. Entries must be forwarded to Fived. Entries on or before June 10th, next.

THE FOINTS OFFERED

All the branches of the Farm will e included in the competition. The be included in the competition. The points that are offered, in brief, are as follows: house and surroundings, 150; farm buildings, 150; live stock, 200; crops, 200; farm management, 150; machinery, 75; permanent im-provements, 75. Complete information about the points offered was published in the April 8th issue of Farm and Dairy. Dairy.

The state of the s that other farmers, in all parts of the province, will send in their entries without delay so as to add to the interest taken in the competition.

#### NOTES

Agricultural societies throughout Agricultural societies throughout Ontario are invited to offer special prizes for those of their members who enter and score the highest in this competition.

Numerous special prizes will be offered. These will be announced be-

Numerous special prizes will be offered. These will be announced be-tor long. If results a part of Quebec will be included in the competition the semical sector of the competition of the range of the competition of the competi-tion of the competition of the competition one of your land, or some other han-diage. There are few farms that have not got disadvantages of some kind. The object of the competition is as much to find the farms who are doing the best possible with their farms under their circumstances as it is to find who have the best farms.

Issued Each W

Vol. XX

#### T A. Corn requ

climate, if it that require ment. It n black loam i rich soil, tha crop for cor tairly well, r cereal crop.

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Until recent ye and using the is planted thr dent varieties, If the ground the roller is a if it should b applied corner



Only \$1.00 a Year

### FOR WEEK ENDING APRIL 29, 1909.

No. 17.

#### The Cultivation of Corn

A. L. Arner, Essex Co., Ont.

Corn requires careful attention and a favorable climate, if its growth is to be success. It is a crop that requires some study in its general management. It must have a good seed bed. A rich black loam is the best, but it will do well on any rich soil, that is well drained. Clover is the best crop for corn to follow, but timothy will answer fairly well, much better than for it to follow any cereal crop.

When it follows clover, the ground is generally plowed in the spring, as soon as it is in fit conaution. For timothy fall plowing is preferable, as the timothy sod being very tough, becomes putrid, and makes a better seed bed when plowed in the fall. On spring plowed sod follow each day's plowing with the roller. Then commence the working of the ground. If it is free from stumps and roots, the spring tooth cultivator

is best for tearing up the sod roots, and making the ground mellow. the sod should be put in as loose and mellow a condition as possible. 11 there are stumps and roots the disc-harrow may be used. First double disc the land the way it is plowed; then disc it cornerwise. rinish the field with several harrowings with the drags. On fall plewing the ground may be worked in the same manner with the exception of the rolling.

When manure is to be applied on ground for corn, it should be applied in late winter or early spring, and plowed under. On fall plowing it is best to top-dress, provided the manure is well rolled and very fine. If not it should be applied in the fall and plowed under.

After a perfect seed bed is made, and the weather is warm enough for rapid plant growth which is usually from the 25th of May to the first of June, the planting should be done. Before planting see to it that you have made a

selection of strong, healthy seed. Test it by taking a grain from every ear that is to be planted, and putting it in sawdust or earth in some warm place to sprout. After the seed has been tested get it ready to plant. Shell the butts and tips of the ears off before shelling the ear. By this means the grains are all of a uniform size, and drop better in the planter.

We use the two-horse planter for planting corn. Until recent years the old method of marking out, and using the hand planter was used. Our corn is planted three feet eight inches each way for dent varieties, and three feet six inches for flint. If the ground is dry and inclined to be lumpy, the roller is applied ahead of the planter, but if it should be a little wet the drag-harrow is applied cornerwise ahead of the planter, as it

has a tendency to dry the top of the ground and by going cornerwise, the harrow marks do not interfere with the mark made by the marker on the planter.

#### HARROWING CORN

When the corn is just appearing through the ground, and even though it is an inch or more high, we harrow it with an ordinary drag harrow, a light one is preferred. This kills all small weeds and gives the corn a free, loose soil to grow in. The corn will appear to be entirely covered at the time and some little of it will be torn out, but in a few days, it can be seen to shoot ahead. As soon as it is high enough (from two to three inches) we cultivate it with the two-horse cultivator, cultivating as close to the corn as possible. By keeping the fenders of the cultivator just off the ground, a little loose earth will work in around the young plants thereby covering any weeds that may be starting in the hill. The next time

general rule (once each way). This implement consists of an ordinary five-shovel cultivator, with one three inch shovel in front, and one ten inch thistle cutter, and twelve three inch thistle cutters (or sweeps) behind. These sweeps do not go deep in the ground, but rather make the surface loose, at the same time cutting all weeds, but not cutting off the corn roots. This outfit is used once in a row, and after it has been through once each way, the corn cultivating is finished for the season, except should there be some very bad weeds to kill. As a general rule by the time the last cultivating is finished, the ears are beginning to droop, and are liable to be broken off by the horse in walking through. The method as outlined has proved very successful in raising bumper crops of corn.

#### The Importance of Healthy Stock

Dr. David Roberts, Wisconsin State Veterinarian 1906-7-8

Many things must be considered in order to be successful in stock raising. Perhaps the first thing to consider is the breed of cattle to keep. This can only be decided by the stock raiser himself. We should select a breed that will be the most profitable in our locality, always keeping a pure bred sire at the head of the herd.

In selecting dairy cattle there is a large variety to select from such as the Holstein, Jersey, Guernsey, Ayrshire, Brown Swiss, Red Poll, Dutch Belted, French Canadian, and a number of others.

In selecting dairy cows we have a different standard to go by than in selecting beef animals. A dairy cow should be a machine that turns feed into milk, so we must look for a cow that will convert the largest quantity of feed into the largest quantity of milk. The type of dairy cows we want is a cow weighing from 1,000 to 1,200 lbs. She should have a lean head and neck, her eyes should be clear and large, indicating health and

temperment. Her body should be narrow over the shoulders and broad at the hip and rump. She should have a large chest, indicating vitality. Her barrel or belly should be large, showing that she is able to consume a large amount of rough feed. She should have a set of large, branching milk veins leading to a well developed udder on which are placed four, large well shaped teats. She should carry enough flesh to look well, but not in excess.

#### SELECTING A BEEF HERD

In selecting a beef herd, select cows that have broad, deep square bodies, cows with a good coating of flesh for these if bred to the right kind of sire will produce calves that will prove profitable feeders.

In selecting a sire select a good, pure bred bull



#### Slicking Up the Road at a Seasonable Time

Maivellous indeed is the work of the split-log drag. It costs little. Anyone can make the drag, and it is always available when wanted. This is the second season for the split-log drag on the piece of road illus rated. The photo was taken recently on the road dividing Mr. H. R. Nixo's fatan, by our special representative while in Brant Co., Ont.

it is cultivated the fenders are raised a little more allowing a little more earth to work in around the hill, just enough so that the corn is not covered. In all it gets from four to five cultivatings with the two-horse cultivator, or the cultivator is used as long as possible before it breaks the corn. At each cultivating the shovels are set a little farther from the corn, to prevent cutting off the roots, and the fenders are raised until the corn is tall enough to have the earth thrown directly against it, at which time they are removed entirely. The kind of shovels used on the two-horse cultivator, are two ordinary four inch shovels on the outside.

#### FINISHING TOUCHES

After the corn is too large for the two-horse outfit, the one-horse cultivator is used, twice as a as he is half of the herd. He stamps his qualities on all of the calves, not simply on one calf a year as does the cow. Be sure and get a registered bull of the breed you want, even if you have only grade cows, as then you are sure you are getting a beef or dairy breed from beef or dairy ancestors. Select a bull that is of good size, with a proud masculine bearing, a good intelligent head, broad and full between the eyes, a short face and a strong, clear eye, yet with a quict expression, as a nervous, excitable animal is not desirable.

#### BUYING CATTLE

In buying cattle see that each one appears to be in a strong, healthy vigorous condition, with a bright eye, glossy coat and of good spirit; free from any enlargements on the jaw or any part of the body. See that the udder is in perfect coadition possessing developed quarters, perfect teats of good size and shape, free from bunches or sores. If the animal is in the period of lactation you should see that each teat is in milking condition. Avoid hard milkers unless you intend to overcome this trouble after you have bought the animal.

#### TUBERCULO818

All cows, heifers, bulls and calves should be submitted to the tuberculine test and pass same without a suspicion so that you may know that they are free from tuberculosis. The introduction of one tubercular cow into a herd will sconer or later contaminate the entire herd, thus bringing about a heavy financial loss to the owner.

#### CONTAGIOUS ABORTION

Another disease that goes hand in hand with tuberculosis is contagious abortion, which should never be overlooked in buying cattle. Each cow, heifer and bull should be thoroughly examined as to their freedom from contagious abortion as this disease is bringing about greater financial losses to the stock industry to-day than any other discase known. A herd afflicted with contagious abortion is damaged to the extent of from \$12 to \$25 a isead per annum. The loss frought about is not only in the actual loss of the calf and the shortage of milk, but also the ruination of the cow.

DIFFERENT FORMS OF CONTAGIOUS ABORTION.

Contagious abortion may appear in a herd in many different forms such as the actual loss of calves, or in other words, calves being expelled too young to live outside of the mother's womb, or by living abortions; or by calves being expelled before their actual time, but having vitality enough to survive this exposure and live. Such calves are noticed to be undersized and if they bellow they make a pitiful noise, oftentimes spending most of their time sleeping until time for them to be born. Then they will awaken and undergo a great change. Or, abortion might appear in a herd when calves are carried full time but die of diarrhoea or scours at any time between the time of birth and a month old, the scours being due to the germs of abortion; or a herd may carry their calves full time and still be affiicted with the germs of abortion. Perhaps the only noticeable sign of the disease is that the calves do not do well and oftentimes the glands of the throat are swollen.

Another noticeable sign of the disease is a shortage of milk even in cows that have carried their calves full time. Perhaps the only noticeable symptom in contagious abortion in cows that have carried their calves full time is that they are liable to come in heat at irregular periods, oftentimes a few days after calving.

#### BARRENNESS A SIGN OF ABORTION.

Following all of these symptoms of contagious abortion comes another indisputable symptom in the form of barrenness. Barrenness may be due to one of two causes. Either to the germs of abortion which set up a catarthal inflammation of the mouth of the womb, or an acid secretion which prevents conception. All of these ailments may be traced back to contagious abortion in cows which is the ruination of many valuable herds.

#### FARM AND DAIRY

#### Waste Land Planting in Ontario\*

E. J. Zavitz, M.S.F., Guelph, Ont. The Department of Agriculture of Ontario is concerned with two forestry problems, namely: It aims to assist farmers and other landowners in properly handling their woodlands and reforesting waste portions of the farm. It has also inaugurated a policy of segregating and placing under forest management the large areas of waste lands throughout older Ontario.

The farmer's woodlot represents in the aggregate, about 8500 square miles of woodland. Waste land in the form of sand, gravel or rock formations and steep hillsides would probably represent another 8,000 square miles. It is safe to state that there is in old, agricultural Ontario at least 8,000,000 acres of private land which should be managed eventually for forest crops.

The potential value of eight million acres of woodland to Ontario is worthy of notice. Estimating an annual acreage increment of half a cord of wood at stumpage value of \$2.00, this land would represent an annual resource of \$8,000,000.

History has proven that proper management of private woodlands is not easily attained. Government assistance, in a problem of this nature,



#### **Reforestation and the Fire Peril**

Young forest growth should be jealourly guarded from fire-every tree of it, as though it wore a dollar bill. If so guarded, it will soon be worth many millions of dollars. The illustration shows pine iand burned over 14 years ago, and aguin five years ago.

is necessary and advisable. To meet this need the Department of Agriculture has undertaken to furnish forest trees for waste land planting, and also to assist owners in the better management of their woodlands. At present, planting material is sent out free of charge with certain provisions for care and protection. (The conditions of this distribution are given in a circular which may be had upon application to the "Forestry Department," Guelph.) This last season's distribution amounted to about 400,000 trees composed of the following species : White Pine, Scotch Pine, Jack Pine, Norway Pine, White Ash, Black Locust and a small amount of Catalpa, White Wood, Walnut, Butternut and Cedar. The larger proportion of this material was planted on waste lands on the farm, although a number of applicants used the material for planting in worn-out woodlots. The Department especially urges farmers to plant Pine and Spruce about the borders of woodlots in order to give more protection to the soil, this lack of soil protection being one of the chief faults in the average wodland of small acreage.

\*Extract from an address delivered at the recent Forestry Convention in Toronto. In a subsequent issue, a part of this address, showing that reforesting can be accomplished at a profit, will be published.

#### April 29, 1909.

A second forest problem confronting the Department of Agriculture is the reclamation of the large contiguous areas of non-agricultural solis which exist in many parts of the Province. In the more settled parts of Ontario the waste areas are sand formations. On these lands Pine was the most valuable growth and it was cut off in the early days. In many cases agricultural settlement followed, and where the land was cleared for farming purposes, it gave, at first, in many cases, good returns. As soon as the vegetable mould or old, forest soil disappeared from the sand, it became a difficult matter to keep up the fertility and gradually sand wastes developed.

Some of the more important sand formations are as follows: Norfolk, 10,000 acres, Lambton, 40,000, Bruce, 30,000, Simcoe, 60,000, Northumberland and Durham, 15,000.

It is generally admitted, that these waste lands can be made permanently productive only by being managed for forest crops. The only solution of the problem is in a policy which has as its aim the gradual segregation of these lands, to be managed as Provincial forests.

Large portions in the waste districts were not entirely cleared but at present are covered with a scrubby, second growth. In the Norfolk County area Scrub Oak with scattering, second growth White Pine forms the soil cover. In the Simcee area a small amount of Scrub Oak, Poplar, etc., with scrubby Red Pine is the type. Continual ground fires sweep over and kill out the young Pine. With fire protection, there is much of this so-called waste land, which would soon fill with Pine, through natural seeding.

On the land, which has been cleared for farming, it will soon have to be done to obtain new growth of desirable species.

#### **Obstructions** in Cows' Teats

#### Dr. H. G. Reed, V.S., Halton Co., Ont.

Obstructions in the milk duct have been a source of great trouble and considerable loss to dairymen. This trouble usually develops while the cow is "dry." The teats may have been all right when the cow was dried off the previous season, but when she freshens again one or more of them are found to be almost or altogether "bilnd." A growth has taken place in the duct and it usually is the result of an inflammatory action which was set up during the period when the animal was not milked.

This inflammation is often so slight as not to attract the attention of the owner, and as a consequence develops to a growth that almost or entirely obliterates the duct. Cases of this kind are difficult to treat successfully, the judicious use of a teat syphon or milking tube will assist, but the results are often unsatisfactory. Preventive measures are always the best and it is a good practice for the dairymen to try at least once a week the teats of his dry cows. If he should find one that was milking tough he may conclude there is an inflammation in the duct and he should proceed by fermentation and hand rubbing to arrest the development of the inflammatory action and thus prevent a growth from taking place, which is most likely to occur if no precautionary measures are adopted.

It may be said that as a general rule trouble with the udder and teats of a dairy cow can (to a large extent at least) be prevented by the exercise of good judgment and care, but if once established they are sure to entail considerable trouble and sometimes serious los.

When turnips are sown it is best to sow early maturing varieties so that a rapid growth may be secured. Where rape is grown and stock are turned in it is best to fence off portions of the field so that the balance may be kept in good growing condition for the stock to eat when they are ready for it.

#### April 29

#### The F

The reas cheese and the Provin serious att of dairymen the total amounted the year 19 2,100,000. prove it. butter is b ago. Perso in make h population. tern Provin during that treal during thousand pa year. This Montreal th the drought butter thro that there years.

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#### The Future of the Dairy Industry

A. A. Ayer, Montreal, Que. The reason for the diminution in the make of cheese and butter, taken as a whole throughout the Provinces of Ontario and Quebec, demands serious attention of the country in general, and of dairymen in particular. During the year 1903 the total make of cheese in these two Provinces amounted to over 3,000,000 boxes, while during the year 1908 the production was reduced to about 2,100,000. While we have not exact statistics to prove it, the general impression is that more butter is being made than was made five years ago. Personally, I do not think that the increase in make has been greater than the increase in population. It is well known that the new Western Provinces have vastly increased in their make during that period, and that the receipts in Montreal during the past year have been a great many thousand packages greater than for any previous year. This alone will account for the surplus in Montreal this year. The general report is, that the drought affected the make of both cheese and butter throughout these two Provinces, and also, that there are less cows in milk than in former years.

#### PREPARE FOR CONTINGENCIES

It seems to me that it is high time that our farmers did their farming in such a way as to be prepared for droughts and other contingencies. The number of milch cows is not so important as the quantity of milk given per cow. It is well known that there are quite a number of farms where more milk has been produced from less cows in 1908 than ever before. What these farmers have done every farmer in Canada can do. What have they done? These successful farmers are practising a system of "Rotation of Crops." They have come to realize that in dairy farming they must grow a large quantity of corn and keep succulent feed in silos thus being prepared for contingencies. They have learned that clover hay is a far better feed for cows than timothy, and that by practising a system of "Rotation of Crops," the product of the farm is vastly increased.

I do not need to point out the necessity of weeding out the poor cows, grading up the herds, and keeping absolutely nothing but thoroughbred bulls, and generally improving the condition of the dairy. The system of testing dairies and the practice of it, showing up the poor cows in the herds, is now so well-known that every first-class farmer is practising it.

#### GIVE SUFFICIENT FEED.

The great lack among nineteen-twentieths of all farmers, is not giving the cows sufficient feed. It is impossible to expect that a cow will do her best unless ahe is fed the utmost and best possible. If am quite satisfied that our dairymen could easly increase the production of their dairies at least 50 per cont. by better feeding and keeping a better class of cows. Fifty per cent. would mean an addition to the yearly income of the farmers in the two Provinces of fully \$15,000,000 to \$20,-000,000.

The next great necessity, more especially in the butter-making sections is, greater cleanliness in milking, greater care of the milk, and its delivery to the creameries, or factories, in an absolutely pure and sanitary condition. The Agricultural Departments of the Dominion and of the two Provinces should give their special attention to the sanitary condition of all our butter and cheese factories, and more especially to those who practise the gathering of cream. In order to make this effective, the farmer should first be visnet and restricted to sanitary conditions of divirying.

A great deal of attention has been given by instructors and makers to the improvement of the quality and to expert making, so that Canada is well up to the mark in this direction. The next improvement, therefore, must be in the quality of the milk delivered. The great majority of our farmers give little or no attention to the condition in which the milk is kept. It would be a good idea for the readers of Farm and Dairy to give you if they could any instances where the maker in any factory could honestly asy that every farmer, or even the majority of farmers, in his factory or createry, kept and delivered their milk in real sanitary and first-class condition.

#### Lasting Increase Quite Impossible

H. C. Van Pelt, Supt. of Dairy Farm, Ames, Iowa From the letter of Mr. J. G. Mann appearing in Farm and Dairy April 8th, it would seem that in the one particular instance the percentage of butter fat was increased by the use of the feed stuffs, pea chop and bran and later with oat chop and bran. It would not be safe to say, however, that the use of these feed stuffs would in all cases increase the butter fat percentage as it did in this instance. Oftentimes cows that are not receiving a sufficient amount of nutriment to produce at the limit of their ability will increase not only in milk, but also in percentage of butter fat when their feed is increased to the necessary amounts. short course in stock judging at Picton were losers by a great deal. Knowing how to select a dairy cow or calf is of first importance, next is her feed and care. The average cow will respond to a great deal more care than she receives. The more you do for a cow, the more she will do for you. Regularity should be the watch word in the dairy. Cows will give much better returns when milked and fel at the same time each day. Clean, fresh water in front of the cow at all time, and plenty of good wholesome food are prime requisities. It never pays to feed second quality hay, grain or singe. Grooming should not be neglected ji t pays. Plenty of bedding is also a good investment.

Calves should be grown to a large size. The stunted half-starved calves found on many farms can never make profitable cows. Calves can make good use of skim milk until they are a year old. Plenty of coarse feed should be provided so that they will grow up hardy and with plenty of capacity. It is a mistake to turn them on to skim milk when too young. They require new or whole milk for the firs. four weeks at least. We make use of scalded flax food in the skim milk until they are six moths old. Dry grain is given them after their milk. Feeding them grain after



#### Another Co-operative Cheese and Butter Factory in Friesland, Holland

Dusish butter makers, with their superior equipment and more carefully produced milk, have a between the superior equipment of the superior descent of the superior makers. Danish butter is very uniform and reliable and good results than have our butter makers. Danish butter at the structure illustrated, as well as its well-kept surrounding, gives us an individual Danish butter is good and uniform. This illustration and the one in our Dairy Number, April 8b, were kindly furnished us by Mr. J. A. Raddiek, Domision Dairy Commissions.

This is a subject that has been greatly discussed for a great many years and oftentimes feed stuffs have appeared that would apparently increase the percentage fat test, but later it has been found that to make any lasting increase in the percentage test with any regularity was almost, if not quite impossible.

In this instance where one cow only was used the resulting increase in percentage test might be accounted for in two ways. First, that the cow was not accustomed to being fed a ration so rich in protein and fat, and secondly that this individual cow might be influenced greatly by the changing of feed. It might be interesting were this experiment carried out on a larger number of cows for a greater length of time.

### A Prominent Money Producer

D. Foster, Prince Edward Co., Ont.

The dairy cow is probably the most prominent money producer in Ontario. Is she as perfect as we can make her? No. Those who missed our they get their milk prevents them from sucking each other.

#### An Effective Horn Stop

G. H. Caughill, Elgin Co., Ont.

We find after using it for three years on our valuable calves, Gillett's lye is a safe and sure horn killer. It is the cheapset, surrest and most humane mode of d-horning. We herewith give our fellow dairymon our method. We tie the calf by itself so no other can rub or lick it. Take as much of the powder as can be held on a five cent piece; moisten it to a salve with some spittle; clip off the hair over the small lump of a horn, then wet it with spittle and apply the paste. Rub it well in with a knife. It will give pair, for an hour or so. It soon heals over, howover, and makes a much prettier head than cutting or sawing off the horns at a more matured age.

The operation should be performed at about as near three weeks old as possible. The horn is sometimes hard to locate before this, and if left till much older they become too hard for the lye to entirely destroy them.

#### Pasture Needed for Hogs

Editor, Farm and Dairy,-Your valuable paper of April 15th to hand, and front page noted; I can tell you what is the matter, or a good deal of what is the matter, or a good deal of what is the matter, with the Can-adian hog. First, early litters are confined in too small quarters, do not get expression get exercise, and are consequently stunted from the start.

2nd. Litters coming in April or May should be furnished with a good run of pasture fenced with hog fence and around us infrainfed with a good run of a starfs founced with a good run of a starfs founced with no force and well be and a fait of the starf of the starfs you have in a starf of the starfs of the starfs you have in the starf of the starfs of the you have in the starf of the starfs of the rain of any starfs of the starfs of the feed to them when they can out the feed to them when they can out the feed to them when the y can out the feed to the starf of the starf of the feed to the starf of the starf of the starf the flesh at the rate of the starf of the sta

### Canaan Farm Herd Record

Editor Farm and Dairy,-I enclose and milk record of Canaan Farm for Editor Farm and Dairy.--I enclose the milk record of Canasa Farm for 1908. This is the complete record for in the heard of all the cover shat were in the heard during the whole year. It does not include cover sold and bought that were only in the heard for a few months. The showing compares favorably with other Cana-drain heards. Usually in making a re-port of a heard the yearly milk report is taken the same as for Record of year favorably with other Cana-drain heards. Usually in making a re-port of a heard the yearly milk report is taken the same as for Record of exceed 10,000 lbs. average per cov-er, is what we should figure on. Thus, not bad for a 14 year old. 31's record a 90 month' milking period and No. 37 of a 21 month' lactation period. The

latter gave in the 1st 12 months of ber milking period and with her 1st call 8,975 lbs. She freshened again last March and is giving 65 lbs. a day. The average of the milking is only 9% months per cow out of the 19 months. only 9% n 12 months.

19 months. Of courses we have cows in the list that have had the usual treubles, foul foot, pox, sore tests, etc. Nos. 80, 42 will come in 11½ montis from the freshening. We have sev-real home raised heifers just freshen-ing sying from 45 lbs. to 68 lbs. at 4256 Will come test to 68 lbs. at 19 monting the several test of the herd is 19 monting the several test of the herd is 19 monting the several test of the herd is 19 monting the several test of the herd is 19 monting the several test of the herd is 19 monting the several test of the herd is 10 monting the several test of the herd is 10 monting the several test of the herd is 10 monting the several test of the herd is 10 monting the several test of the herd is 10 monting the several test of the herd is 10 monting the several test of the herd is 10 monting test of the several test of the herd is 10 monting test of the herd is 10 monting test of the several test of the herd is 10 monting test of the several test of the herd is 10 monting test of the several test of the herd is 10 monting tes

#### Treatment for Caked Udder

Heatment for Caked Udder Editor, Farm and Dairy,--I enclose to Dr. Reed's treatment of caked ud-der as outlined in your April 8th issue. There is not one farmer in ten that will go to all the trouble in following out the treatment recom-mended. Frequent milking may be generally obtained, but massaging with the air treatment will give best results. Dr. Peters

several hundred very bad cases, and I know it works all right, and any one of you can easily do it."-G. P. England, Mississquoi Co., Que. and

### Seeding to Alfalfa

Bulletin No. 161, of the Oklahoma Agricultural Experimental Stationa deals with shfaffa. While conditions in Oklahoma are very much different from ours, several valuable points are brought out in the bulletin. A few years are affects we compared to the several s are brought out in the bulletin. A few years ago alfalfa was grown on limited areas only in Oklahoma but it has ceased to be an unknown hay plant and enterprising farmers are extend-ing the culture of this money-maker in sections where only alight attention has been directed to its use. Ex-tracts from the bulletin follow.

THE SEED BED. The seedbed should receive careful be secured on land which receives carering minimum amount of cultivation, a minimum amount of cultivation, provided climatic conditions are nor-mal, caroful observation will reveal the fact that it pays and pays well to sow seed on soil where the physical stucture is ideal. The reasons for advantage such a practice are ob-values the first place the seeds winds. In the first place the seeds under consideration are small in size and if the particles of soil are coarse, the surface layer of earth is likely to be deficient in moisture; thus in the average season a low germination will be the result. Secondly, the small alfalfa plants are very tender during the early stages of growth; hence should soil conditions prove to be unentire stand dies and the crop is pro-nouced a failure. The soil must be nouced a failure. The soil must be fine enough to allow the particles to come directly in contact with the seed and the surface should be firm enough and the surface should be firm enough to facilitate the capillary rise of mois-ture. The young plants are thereby supplied with moisture and plant food. The real value of making a special

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study of insignificant seeds like alstudy of insignificant seeds like al-falls is frequently overlooked, and yet this crop is one of the most profit-able crops in our farm system. If a good stand is obtained, the field con-tinues to produce excellent crops for ten or fitteen years in succession. When one considers the fact that many samples of alfall fail to give a germination test of more than 50 or 60 per cent. and some run as low a germination test of more than 50 or 60 per cort, and some than 50 or 60 per cort, and some moles as well as 30, and when one noises as well hat some of these samples onnian large numbers of noxious weeds, are are cortainly justified in making to assertion that alfalfa seeds should be studier carefully from the standpoint of vitality and purity before than scattered broadcast over the field. RATE OF SEEDING Alfalfa seed is sown as the rate of

Alfalfa seed is sown at the rate of 15 to 18 pounds an acre. Some growt than this, using as high as 20 pounds of a grow-ers recommend a larger amount than this, using as high as 20 pounds of seed an acre, while others claim that 10 to 12 pounds an acre is sufficient. It is certain that in acres in a sufficient. It is certain that in cases where the soil is placed in first-class condition and the seed purchased has a high and the seed purchased has a high germinative power, good results can be obtained by using 15 to 16 pounds of seed an acre, but if these conditions are not met then a larger amount of seed will be required. Any up-to-date grass seeder will accomplish this ob-ject, or any ordinary shoe drill can be used advantageously. Some drills are built with grass seeder attach-ment from which the seed can be scattered in front of the drill and the shoes or disc in passing over the surscattered in front of the drill and the shoes or disc in passing over the sur-face will give sufficient to the sur-trace will give sufficient to the sum than one inch is not advisable mitted amount of plant food which is satured up for the young embryo is limited, and when the seed is placed in the sail with a layer of earth to the depth of one or two inches above it, the amount of food is sufficient to carry the Ittle plant above the surface. amount of food is sufficient to carry the ittle plant above the surface, hence large numbers perish. As soon as the plant reaches the sun-light it is able to collect new supplies of food from the soil and atmosphere. It has not hean our practice to use a nurse not been our practice to use a nurse crop with alfalta.

#### Crops Grown at Maple Grove Percy F. Clemons, Brant Co., Ont.

The principal crops grown at Maple Hill Farm are hay, corn and cats. Everything grown, usually bran and oilcake, is consumed on the farm, in addition to a quantity of mill feed bought each year. We do not practise a regular rotation as

## CANAAN FARM, SAULT AU RECOLLET, QUE., MILK RECORD 1908, F. E. CAME, PROPR

Herd No.	NAME	Age Jan, 1 1908	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly
37	Artis Clothilde . Chamcook Queen. Pansy Grade Holstein Grade Ayrshire . Chamcook Clara. Grade Holstein. Grade Holstein. Grade Ayrshire Orpha's De Kol Burke Chamcook Mavia. King's Chamcook Anggle (1st calf) Chamcook Mavia. Evel Service Bessie Sylvia. Lovella's Anggle. Tatale	$\begin{array}{c} 12 & {}^{43}\\ 14 & {}^{47}\\ \\ 9 & {}^{47}\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	136 706 706 918 918 1039 1021 608 412 405 286 286 286 286 286 286 3837 1315 41 4 313	6503 726 786 8973 832 377 79 137 47 709 137 47 709	6864 8134 8634 9944 814 1084 735 7755 402 3834 1420 75	206] 714 755 832] 867 784 <u>3</u> 1370 828 1527 <u>4</u> 1722 1392	1530) 715] 7084 844 9431 851  10715 1275  9063 14435 1592 1259 148	820° 920	1092 602 8164 859 806 1028 1228 10414 1018 1269 7554 1083 1241 1018 1269 7554 1083 1241 1012 969 1215	$\begin{array}{c} 1056\\ 668\\ 733\\ 791\\ 8729\\ 883\\ 10299\\ 883\\ 1001\\ 11396\\ 7709\\ 10812\\ 10912\\ 10812\\ 1171\\ 11159\\ 935\\ 1152 \end{array}$	897 641 643 6694 8035 729 9245 6355 854 843 10944 843 10944 843 10944 9745 9745 9745 977 9995	$\begin{array}{r} 806\frac{1}{9}\\ 486\frac{1}{9}\\ 573\\ 432\frac{1}{9}\\ 726\\ 639\\ 777\\ 738\frac{1}{9}\\ 639\frac{1}{9}\\ 922\\ 421\frac{1}{9}\\ 825\frac{1}{9}\\ 916\frac{1}{9}\\ 888\frac{1}{9}\\ 709\\ 847\end{array}$	$\begin{array}{c} 724\frac{1}{2}\\ 260\\ 498\\ 2304\frac{1}{3}\\ 5496\frac{1}{3}\\ 5496\frac{1}{3}\\ 647\frac{1}{6}\\ 610\frac{1}{6}\\ 610\frac{1}{6}\\ 610\frac{1}{6}\\ 610\frac{1}{6}\\ 812\\ 138\frac{1}{2}\\ 812\\ 138\frac{1}{2}\\ 631\\ 720\frac{1}{2}\\ 496\\ 686\\ 704\frac{1}{2}\end{array}$	721 4901 4 6241 355 6614 656 5851 423 838 838 420 3461 3451 7204 6855	age 8505 7048 8149 8078 10242 9020 6745 7169 9719 9816 10668 9816 10668 12508 6192 7080
-	Totals		9001	67711	8034	110211	13818	$18739_{0}^{1}$	168171	16164	141893	11892	9360	78901	1436594
	Daily Average per Cow		23.3	26.9	28.8	36.7	37.1	98 A	31.3	30.7	07.0	00.0	20.8	18.2	8447



# BRUCE'S NEW CENTURY SWEDE TURNIP Sales and the set of t

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April

part of or corn. On of which to alfalfa results. ually hard if clean an e the mo farm if se forage pla feeds that Our usu

cable, is manured, to corn. roots which clean and next year oats, to wi wheat, two pounds of the next y usually son and 3 lbs. to get a ca the oats st

This rota cumstances crop of co meadows meadows years befor we cannot a put alfalfa

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tion about m it require, a Is it injuriou yield per acr hay? I have Millet is term since many varie ially in cha to the Can speaking, t to make it grow them average Car

Average Car Hungaria fairiy certai profitable, a falls short of tory. Hung any of the well drained fairly rich e sown abo land should seeding and 20th or late It is excel and most of but had bet

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part of our land is not suitable for corn. One of these fields, a hil, part of which is stiff clay, is seeded down to alfalfa and has given surprising results. Clay knolls which are us-ually hard to work and hard to crop,

restinas. Usay anoins which are us-ually hard to work and hard to crop, if clean and well manured, will often be the most profitable land on the farm if seeded to alfalfa. This great foreign plant makes once of the best feeds that a dairyman can grow. Our usual rotation, where practi-cable, is as follows: Sod, heavily manured, is ploved down and sowed to corn. Next year to corn and rets which usually leaves the land event was an in good condition. The nest, too-brow shows do grain i.e., nest, too-brow showed grain i.e., nest, too-brow shows down. We sound so flast, then be sowed again the next year and the is over and a few usually sow shows it has deven the down to get a catch no matter how thickly the oats stool.

This rotation is varied to suit circonstances. Sometimes only one erop of corn is taken off and the meadows are sometimes left two years before being plowed up. Where we cannot sow corn and do not care to put alfelia we use and do not care to put alfalfa we use peas to complete the rotation.

### Information Concerning Millet

**Information Concerning remies** Would you kindly give me some informa-tion about millet; what kind of coll dices is require, and when should it be sown. Is it infurious to the hcree? What is the how the source of the source of the source how? I have read about the producted like to try it.-J. A. N., Curaing, Que.

to try it-J. A. N. Cuszing, Que. Millet is a rather comprehensive term since it includes a very great many variatics, which differ mater-ially in characteristics and in value to the Canadian farmer. Generally speaking, the large sorts, Japanese barryard, etc., are so uncertain as to mike it advisable not to try to grow thom at all extension, and the grow them at all extensively on the average Canadian farm.

average Canadian Tarm. Hungarium Grass, however, is a fairly certain cropper and is usually profitable, although it also sometimes falls short of being entirely satisfac-tory. Hungarian Grass, or in fact any of the miltets require a warm well drained soii in good tilth and fairly rich. Hungarian Grass double

thereabout after seeding. It should be cut when in blossom and if a good or corp will give as high as two tons per acre of good hay.-J. H. Grisdale Agriculturist C. E. F., Ottawa.



LAND AND MINING COMPANY. — A large block of land held by a company law just south of a thriving settlement, investigation of the settlement of the country was first settled by a mining com-pany, who also claimed the timber, and who have cut or sold most of t. No mine has ever been opened inside the limits, What is best to do towards having this which curst is best to do towards having this which curst is best to do towards having this which curst is best to do now in the set ermment to have it done, buying it gradu-ally from the company, or forming a syndicate of farmers and business men, on both addes of limit-Young Subseriber.

It is axtremely probable that the Company has acquired a good title to the land referred to, and that there title Conjusty has acquired a good title to the land referred to, and that there are no conditions or provisions in the grant by which their rights therein could be terminated. It might, how-ever, be best in the first place, to enquire the terms of the grant, and this information could be obtained by application to the Department of Lands and Mines, Toronto, or pos-ably by search in the Registry Office. If the Company is standing on its rights, you should endeavor to form a little organization as you suggest, to meet the Company and endeavor to eversuade them to dispose of the lands on moderate terms.

RIGHT TO LAND. — A and B each own a mill on the same stream and work to-samed the certain critical. Our dama and the certain critical. Our dama of ow hand belonging to G. Th a price of ow hand belonging to G. Th a price of the trash on that land and now shows signs of becoming a meadow. O never cleared it but it has been fixed over one to a period of 60 years more or less. O threatent to use us for damages to his threatent to use us in for damages to his damage an. A four mills are contact with mills. The public gets more benefit from them than we do. We work so cheap for the people that we cannot afford to pay for plowing land. What course would you advise us to take. —X. W., Dipby Co., N.S. The fact that A. and B. are rend. RIGHT TO LAND. -A and B each

well drained soii in good tilth and fairly rich. Hungarian Grass should be sown about 40 lbs. per arce. The land should be well prepared before seeding and the seed sown about June 20th or later. It is excellent feed for dairy cows and most other classes of live stock, but had better be fed in small quan-tities, if at all to horses, as it is apt class of stock. It may be expected to be ready to harvest ten weeks or

### Cold Climates for Dairying

Is the production of milk an indus-try that can be more successfully carried on in a cold than a warm clim-ate ? If so, then Canada is well sit-uated for a business of this kind. In discussing this question one of our exchanges says : "The production of milk is likely to

"The production of milk is likely to always remains a business more adapt, ed to cold climates than to warm cli-mats. In cold climates, the produc-tion of grass is more abundant than elsewhere, and grass is the best food for the making of milk. Further south the soil does not naturally cover itself with grass but ends up a larcer and woodler growth. The northern part of the temperate zone of the northern hemisphere is

larger and woodrer growth. The northern part of the temperate zone of the northern hemisphere is particularly adapted to the production of milk, both on account of the cli-mate and the soil and also on account of the kind of people inhabiting it. As we go north, the importance of the lacteal fluid increases till we find the lacteal fluid increases till we find the lacteal fluid increases till we find the control the soil of the reindeor. The coldness of the soil water in cold climates is a groat help to dairy-ing. It makes it possible to draw from the ground through the whole year water varying in temperature from of the localities far to the north the water from the ground even in sum-mer has the temperature near that of

mer has the temperature near that of water

ice water. Great as has been the development of the dairy industy in cold dimates, we may assume that its importance is searcely being realized and that the time will come when the cow will be a much greater factor in the prosper-ive of this region than at present. In the greater of butter can be made in cold and the state of the are not so abundant in the bacteria are not so abundant in the state.

winter time there are no germs to speak of in the air, and when the land speak of h the air, and when the fand is covered with snow the gerns are entirely lacking except in the warm stables. This is a great help in the keeping of the butter.

The stock bull, Gano's Faforit, sold at the recent Holstein dispersion sale of Messrs. R. S. Stevenson & Son's and reported in Farm and Son's and reported in Farm and Dairy as having been purchased by Mr. Gore Ward, of Brantford, was purchased by the enterprising young breeders. Messrs. Ward & Bailey, of Hagoraville, not by Mr. George Ward, of Brantford. reported in Farm

The "Orchard and Garden Num-ber" of Farm and Dairy was O.K.---W. R. Leroux, Hochelaga Co., Que.



7

PERFECTION



### \* HORTICULTURE Recessossessessesses Fruit Crop Outlook

8

The outlook for a fruit crop in Can-la is good. Trees and bushes have ada is good. Trees and bushes have wintered well, except in a few locali-ties. The show for bloom is op to the average. Crop correspondents of Farm and Dair; report the situation in their respective districts to be as follows

NEW WESTMINSTER CO., B.C. NEW WESTMIPSTER CO., B.C. Agassiz.-Our trees are coming out in blossom and I see no signs of injury to the fruit buds. If we have suitable weather now during the blooming. I see no reason why we may not ex-pect a good crop of fruit.-T. A. S.

KOOTENAY CO., B.C. Kaslo.—Trees all wintered in good o.-Trees all wintered in good No damage from frost. Spring Comprise universal. Last shape. shape. No damage from frost. Carlos very late. Spraying universal. Last year's growth promises a heavy blos-som.-I. W. C.

som.--I. W. C. Goldon.--All fruits are looking well. Apples are all in bud. Everything seems favorable for a good crop. Strawberries slightly damaged on ac-count of severe cold weather and spring frosts.--W. J. W.

Clarksburg.—Buds are in splendid condition. There is every indication for a good cfop. Did not have enough cold weather to hurt anything. On four occasions only did the thermom-eter go as low as zero.-J. G. M.

cer go as low as zero...o.t. simcoe co., ont. Craighurst...All kinds of trees and shrubs have wintered well. The pros-pects are good for the fruit crop. --G. C. C.

NORFOLK CO., ONT Simcoe.-Prospects for all kinds of fruit are good.-J. E. J.

Burlington.—Fruit buds generally ppear to have wintered well. Some Burlington.—Fruit buds generally appear to have wintered well. Some tender varieties of peaches, plums and blackberries are injured, perhaps 50 per cent. Hardy varieties appear practically sound. Too early to an-ticipate crop outlook.—A. W. P.

ticipate crop outlook.—A. W. P. DUHAM CO., NT. Newcastle.—Fruit buds seem to have set well on apples and pears. Outside of late frosts or an excess of rain during blossoming, we will have good crop prospects for an ex-cellent crop of all kinds. Young trees have also done well not winter kilde have also done well, not winter killed and the mice have not got in their fine work this spring. Many new orchards going out this spring. Newcastle Fruit Growers and Forwarding As-sociation have bought the 10,000 bar-rel fruit house of H. W. Dudley.— H. C. B.

HASTINGS CO., ONT. Belleville.—The condition of fruit buds on apple trees continues to look very promising.—F. S. W.

LINCOLN CO., ONT. St. Catharines,—Blossom buds are swelling nicely on peaches, cherries, sweling nicely on peaces, cherries, plums and pears and, if weather is right during blossoming period, there is promise of a fair crop of most kinds of fruit. Strawberries wintered well although plants did not take as many runners as usual last fall on account of droundt. Ranheries ware slicht. drought. Raspberries were slight-frosted lack in canes last winter. Things look fairly promising so far.-G.A.R.

ROUVILLE CO., QUE. ROUVILLE CO., QUE. Abbotsford.—There is an unusual quantity of dead wood in old orch-ards, but on young and thrifty trees and shrubs, the buds have come



through the winter uninjured, with a good show of bloom.-J.M.F.

storm gave us six mones of show win mercury down to 20 degrees above zero. Fruit trees appear to have wintered well and are building nicely. It is impossible at this date to ma any forecast of fruiting.-A.I.Mc make YORK CO., N.B.

YORK CO., N.B. Fredericton.—Exceeping the parts of strawberry beds that were cover-ed with ice, all fruit trees and plants are promising well. Newly set ap-ple trees came through nicely. The damage from ice on strawberry that may not anonge so had late plants may not appear so bad later on, many of them still being covered with ice and snow.—J.C.G.

with ice and anow.-J.C.G. KINGS CO., N.M.S. Kentville.-Though we had a good crop of apples last year, the buds as observed when pruning, indicate an-other good erop. Plums look partic-ularly well. Peaches have also win-youth well. Japan plums and cherry the last 10 mbarged very perceptibly the last 10 mbarged very perceptibly the last 10 mbarged very perceptibly

the last 10 days.-R.S.E. ANNAPOLE CO., N.S. Paradise.-Too early in season to predict correctly probable crops. Ap-ple trees seem fairly filled with fruit buds. Expect a, large number of canker worms this season in this locality.-H.J.S.

Cambridge.--Fruit trees in this district wintered well. Fruit grow-ers apaying particular attention to practically of orchards. Pruning is practically madsheel and preparations are being madsheel and preparations new power sprayers are being pur-chased this spring, preparing for the expected ravage of the canker worm. The outlook for an average crop is good.-J.H.C.

Renew Your Subscription Now.

#### Watering Small Seeds and Seedlings

T. Newman, Russell Co., Ont.

If any of the readers of Farm and Dairy have only a small quantity of small seeds or seedlings to water, say box or two or a pot or two, an excellent way is to stand the boxes or pots a few inches away from a wall, or a few boards placed to act as a wall, and syringe the wall hard with water a few feet over the boxes. A fine close mist will be thrown back hne close mist will be thrown back over the seeds or seedlings in the box-es without disturbing a particle of soil or the finest seed. It is surpris-ing how soon this fine mist penetrates the mould.

Another way is to stand the pots or boxes in at, inch or two of water. By capillary action the whole of the mould will soon be wet through without disturbing the seeds or seedlings in the least.

### How To Grow Parsley

A. V. Main, Lanark Co., Ont.

There is an unfailing request for arsley every day of the year. In parsley every day of the year. In some gardens this crop gives annoy some gardens this crop gives amoy-ance; it will probably not germinate or c bed of it may suddenly die off, for reasons apparently unknown. A piece of ground newly dug with

plenty of manure six inches from the plenty of manure six inches from the surface is satisfactory. Parsley has long, tap roots and these must get down a good depth amongst the man-ure to withstand drought. Ground that cracks is seldom satisfactory. Put the seed in shallow drills and if dry watche continues the aced

Fut the seed in shallow drills and, if dry weather continues, the seed must be watered for several weeks. Paraley is very slow to germinate; allow six weeks. Thin out the plants the several set of the several set. to three inches, better and more last-ing foliage results. When growth

HE MOST IMPORTAN

FARM MACHINE

April 29, 1909.

leaves. Once established it will come up yearly, but is best renewed every third year, as old plants run to seed.

### Pruning the Apple Orchard

A. E. Sherrington, Bruce Co., Ont. A. E. Sherrington, Bruce Co., Ont. The time of pruning that I profer is the latter part of the winter, that is, after the severest front is where wounds are made may not be injured by frost. For removing large branches, as a saw with fine teeth should be used so as to leave a smooth surface. All deed and decaying branches, should be removed, also branches that are growing creaswars or rubbing against. dead and useaving oraneaes associate be removed, also branches that are growing crossways or rubbing against other limbs. In removing large limbs, two cuts should be made, so that no splitting or peeling of the bark below the cut will take place. The cut should be made close to the main branch or body of the tree. In so doing, the healing over is much doing, the healing over is much time, over the wounds and keep them cover the wounds and keep them cover a with pairt or wax so as to prevent with pairt or y main the prevent of the state of the state. And it is to leave the branches at Prune so as to leave the branches at the state of the state.

Wounds over one inch in diameter. Prune so as to leave the branches at moderate distance apart and growing straight out from the body of the tree, aiming to have a well-balanced top Avoid cutting out bearing branches Avoid cutting out bearing branches that are growing down near the forks of the two growing down near the forks of the two the control is at has a tendency to weaken the tree. Retain the leader if possible. Having removed all large branches with breasy, now take a ladder and the pruning shears and go all round and through the twe thinning out the small twigs as as to let in the light, and and the My idea in pruning is to give he tree a general thinning, aim-ing to prune so as to leave the bearing wood evenly distributed throughout the tree.—From a pamphet issued by ing foliage results. When growth gets rampant and coarse, cut down a the tree.-From a pampheli issued by portion of it for a fresh supply of The Ontario Fruit Growers' Assi.

one of these machines will, if

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Artifici J. Marc

A few pra ny experien ubator and my show some of be obtained l rearing of c should be g eggs that eggs that incubation. I orous healthy for when gatl amout of car get fertile e on.

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The incubate over the hen, s as most hens a few of them

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WAGNER'S POUL produces more keeps poultry Elmer E. Wagn mond, Indiana.

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EGGS.—High-class Single Comb W 15.—J. H. Ruthe

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soll-none is wasted. The good effects upon the crop are immediate and the permanent benefit to the land is greater than when the manure is spread by hand. There is no question but give an increased yield of r. C. manure apreader will give an increased yield of r. C. manure apreader will acre over land where manure is spread by hand. Consider the labor saved, the more agreeable work, the better crops, the more fertile condition of the land-is not an 1. H. C. manure spreader the machine you have you be been acressing the state of the same spreader the machine you have you are the labor sevent.

aniform manner. Any one of a proper care, last a lifetime.

April 20, 1000.

### POULTRY YARD 199299999999999999999999999999999999

Artificial Versus Natural J. Marcy, Simcoe Co., Ont.

A few practical hints gleaned from A few practical hints gleaned from my experience in operating an in-cubator and a brooder follow. I shall show some of the many advantages to be obtained by artificial hatching and rearing of chicks. More attention should be given to the selection of eggs that are to be used for incus health I the ggs are from vig-for when gathered, also properly cared for when gathered, also properly cared amout of care has been besteved to get fertile eggs. haft the heath is get fertile eggs, half the battle is

#### STARTING THE INCUBATOR

The incubator has been thoroughly cleaned and aired, heat started. I run the machine twelve hours or more to get regulator adjusted before putting eggs into machine. My machine is located in a concrete cellar with sand floor. The windows are open just sand floor. The windows are open just enough to give circulation of fresh air without draught. The eggs are kept at a temperature of 103 degrees. They are turned twice daily, 8 n.m. and 8 p.m. After turning the eggs each time the lamp is filled and trimmed, that is the wick is trimmed. At a start is the wick is trimmed, because a look ours after turning the eggs, a look ours after turning all is whether or ref a everything all is more the machine is 10ft until the accore need machine is left until the eggs need turning again. About the seventh or eighth day the ventilators are opened about a third. If the air space in the

about a third. If the air space in the eggs is too large, they are closed a little, or opened slightly if the air space is too small. Eggs of different breeds should never be placed in an incubator too actient or the heavier breeds should not be placed with the eggs of lighter breeds, as the light breeds should a few hours earlier, also, the heavier chicks soon erowd out and kill the lighter breeds in the brooder.

#### ADVANTAGES OVER THE HEN

The incubator has these advantages over the hen, she, (or it), is not lousy as most hens are, (for they all have a few of them), thus your chicks are



BARRED ROCKS. BUFF ORPINGTONS. Fertile eggs from best laying strain: \$1 per 15, \$4 per 100.-Wilbur Bennett, Box 298. Peterboro, Ont.

WANTED-Your order for eggs from my Barred Plymouth Rocks, winners at Toronto, London and Gueiph. Corres-pondence invited,-Leslie Kerns, Freepondence man. Ont.

WANTED.-100 boys to earn a setting o eggs, any standard variety. A setting given free in return for two new year; subscriptions to this paper. Write Bo 935, Peterboro, Ont.

WAGNER'S POULTRY TONIC-Cures produces more eggs, raises more chicks keeps poultry healthy. Price 50 cents Elmer E. Wagner, 95 Hanover St., Ham-mond, Indiana.

BARRED ROCK EGGS-From heavy lay-ing, prize-winning stock. \$1 for 15; \$2 for 36.-Charles Hillicker, Norwich. Ont.

SILVER GRAY DORKING EGGS.-Best c all table fowl; \$1.25 per 13. "Free range. --Gordon Burns, Ayr, Ont.

EGGS.--High-class Rose Comb Brown and Single Oomb White Leghorns: \$1.50 per 15.--J. H. Rutherford, Caledon East, Ont. ROUEN DUCK EGGS at \$1 for six, or \$2 for 13. These ducks are bred from im-ported eggs.-J. H. Rutherford, Caledon East, Ont.

Dast, Ont. WHITE WYANDOTTES.-Eggs, Pullets and Cockerels for sale from the noted win-ning strain of H. Lush. Will make win-ners.-Robert Mailtand, Fowlers Corners.

you can test your incubator eggs and take out infertile ones. These should be boiled hard and placed away to feed your chicks which hatch later on. It is hard to get setting hens early in the season, at least that has been my experience; and you have to pay a stiff price for a clucking hen. The incuprice for a clucking hen. The incu-bator is always ready and will hatch just as well as the hen if given proper attention, and you are able to hatch a larger amount chicks than with 15 or 20 hens. Then look at the feed you save, look at the trouble and worry connected with 15 or 20 hens

worry connected with 10 or as have as against the incubator. You should always have a good brooder or two to care for your chicks by artificial means. You won't have broader or two to care for sour efficies by artificial means. You wou't have to get your feet wet poking around in the wet grass in the morning to find your chicks; as in the broader there is no hen to lead the chicks away giving them cold. It is always where you leave it and your chicks are with it looking bright and crying for their breakfast. The care of the broader will be treated in a subse-quent issue.

#### Co-operative Poultry Association

A Co-operative Poultry Producers A co-operative Fouriery Frederica Association was recently organized in Eastern Canada at a well attended meeting held at Macdonald College, Que. Many poultry associations throughout the Dominion have been throughout the Dominion have been organized mainly for show purposes. The one recently organized at Mac-donald College has for its primary ob-ject the encouragement of the co-op-erative spirit among producers, and of bringing producers and consumers closer together. Other objects of this second the objects of this closer together. Other objects of this association are: To encourage the ad-option of the best breeds and types of utility poultry; to encourage the small producers to form local branchsmall producers for mutual assistance es, or circles, for mutual assistance and co-oper tion in selling; to aid in establishing a uniform and recognized establishing a uniform and recognized establishing a uniform and recognized standard of dressed poultry and eggs to keep the producers in touch with those yers who put a premium on qual to do everything possible to progood fellowship among poul-train, and to advance and dignify

the poultry industry. INDEPENDENCE

The idea of this eco-operative asso-cir ion was started during the poul-try short course at Macdonald Col-lege, where a provisional committee was appointed and various poultry-men in Quabee and Eastern Canada communicated with. Their efforts culminated in the recent meeting, and the forming of the Co-operative As-sociation. At the organisation mee-ing, Prof. Elford pointed out that at present each farmer markets his present each farmer markets his produce independently of his neigh-bor. The practice results in increas-ed cost and decreased prices owing to ed cost and decreased prices owing to the lack of uniformity. Producers in cach locality by forming thermiores into a co-operative circle could pre-pare and market their stuff through one, and thereby increases the uni-formity of their products and also their returns. The establishment of such circles is to be one of the first efforts of the association. efforts of the association.

#### CO-OPERATION

In the past there has been an ab-sence of co-operation among poultry-men. There has been too much commen. There has been too much con-petition. Poultrymen have been afraid of one another and have been working without system; in fact, consumers and producers have been wide apart. The newly formed asso-ciation will endeavor to draw them together. It is not intended that the organization shall act as middlement that is, it will not huy row them that is, it will not buy from the pro-ducer and sell to the consumer. The to the former. The officers of the newly-formed or-

ganization are: Hon. pres., Dr. Ro-bortson; hon. vice-pres., Mr. A.G.Gil-bort; pres., Mr. A. P. Hillhouse, vice-pros., Brc. Liguori; second vice-pros., Mr. Peter White; auditors, Messre. G. O'Hara and T. Ward; ex-ceutive committee, Messre. L. T. Oglivie, Brockville; L. P. Shorthall, Washburn; A. G. Taylor, Dewittville; J. G. Morgan, Stanbridge; Mr. George Robertson, Ottawa; Mr. Chapman; Mr. Coolrane; Mr.K. Fisk, N.B.; Mr. H. Baird. At a meeting of the executive committoe, F. C. El-ford was appointed sec-treas.

### Factors in Rearing Chicks

homas W. Lee, Managing Director Poultry Yards of Canada, L'td., Pembroke, Ont. In the rearing of the chicks to

In the rearing of the chicks to which many persons are now giving attention lies a most important step, perhaps the most important of poul-iry work. While hatching means giv-ing life to the tiny creatures, wonder-ful no douby, yet the treatment which they receive the first four weeks after their issuance from the shell counts a whole lot more. It is really the make or break time. It is the period in which judgment, good sense and at-tention are necessary. Not too much which hugheney, good and all of more than attention, not too much kindness, but just enough because it is regretable fact that overfeeding has killed a very large proportion of healthy Tact that overfeeding has killed a very large proportion of healthy hatched chicks. Indeed, I believe that of the difficulties found in poultry-dom probably the greatest to over-come is incorrect needing of the chicks, the incorrectness of which consists in *coverfeeding*. overfeeding. The same rules in the feeding of

chicks are applicable whether rearing by the natural method or artificially. In the former instance a roomy coop must be provided so that the hen will must be provided so that the hen will have every chance to look after the youngsters properly. The coop should be aituated in a perfectly dry place and be confortably arranged and al-ways kept clean. In locating, select a spot whre a run will be provided, because chicks like all young animals tre active and need exercise. Chicks are particularly so and will follow are pertinuariy so and will follow the mother hen almost any distance and anywhere. This peculiarity has no doubt often forced itself on the reader's notice. However, too much othe goal thing will apoil it, and very othe goal thing will apoil it, and very here on the second will trail them through we very and will trail them through wet grass or grain. This dampness is detrimental to the welfare of the chicks and it is therefore rare of the chicks and it is therefore absolutely essential to success that the yard over which the hen and her broad may range be limited to dry soil. Young chicks should never be permitted to run on moist land.

ARTIFICIAL BROODING. When rearing artificially, and in this method is offered the greatest this method is offered the greatest opportunity to start the chicks on a healthy career free from disease, the first step is to make certain that the brooder and everything about it is working satisfactorily. Brooders vary in size and design, but the main re-quisite we must look for in them is quisite we must look for in them is the maintaining of proper tempera-ture, the securing of ample ventila-tion, that the machine he dry and easily cleaned, that the chicks may be always seen from outside, and fin-ally that it be staunchly constructed and asíc. The brooder, like the coop for the mather hem, suite located where the chicks will us be located hon, must be locate for the mother hon, must be located where the chicks will have a play-ground and be unhindered in their froliesome gambols. During the cold early apring weather I would advise having the brooder-whether it be an out or indoor machine-protected by a shed or other building, and thus a void all dancer of damp covered at avoid all danger of damp ground, sud-den showers and stormy weather.

As soon as the chicks are hatched their quarters must be ready for them. If they are to be placed in a brooder the temperature should be at



least 90 degrees, so that the change from one machine to the other will not injuriously affect them. Let me not injuriously affect them. Let me impress the necessity of being very particular about this. Remember the tenderness of the little tots, otherwise tenderness of the fithe tors, otherwise chill and subsequent disease will thin out their ranks with surprising rap-idity. The brooder should be littered with fine chaff, which will require frequent renovating during the rear-ing because thrifty chicks require clean housing.

(To be continued next week.)

### Peterboro Spring Stallion Show

The inaugural spring stallion show held by the West Peterboro Agricul-tural Society on Saturday last was a distinct success. The market square was thronged with a large

# PROTEIN AND FAT

Protein and fat are the important and valuable parts of levelang stuffs. The ob-animal to see Herbareum is to enable the animal to see the stuffs of the second of value from the feeding stuffs. The bareum were pure protein and fat is and direction of ardinary feed. This and direction of ardinary feed. This and direction of ardinary feed. This will do not the heavy spring work heart while do not the heavy spring work heart while do not the bare spring work heart while do not the heavy spring work heart while is very small.

out

number of farmers and others internumber of farmers and others inter-ested an horse breeding. Great in-terest was manifested in the 21 horses exhibited. The number and the qual-ity of the exhibits were a surprise to on-lookers. Many of the exhibits would have done themselves proud at the handme horse fairs in fact some the leading horse fairs; in fact some of them have in the past carried off high honors at Toronto and elsewhere. bit them mave in two pass carried on high honors at foronto and elsewhere. Prizes were awarded as follows: Imported Cyrdes, R. D. Dundas, Springville; J. F. Staples, Ida: Wm. Kearns, Frankhill. The Canadian-bred Clydsedale, Merriman, owned by Nicholis & Mellmoyle, Lakefield, and which was illustrated in Farm and Dity is as week carried off first hon-ors in his class. James Collins, Oton-obs in this class. James Collins, Oton-obs and the classical class. John Young: Clydsedale class. John Young three year lock first and second respectively in two year old second respectively in two years. Thre Mat Intyre & Whittington took first and second respectively in two year old imported Clydes. Other noteworthy winnings were Jacob Brown, of Pe-terboro, first in the Perchero class; Dr. Hassard, Markman first in Hack-neys; and Ira Natkan, Millbrook, first in Standard breds.

The annual meeting of the Nation-al Record Board will be held at the Queen's Hotel, Toronto, on Friday, May 7th, at 2 p.m. for the election of Chairman and Record Committee 1909-10 and for the transaction of use hardness business are more business. such other busine ss as may come before the meeting

### Jersey Breeders Favor Points

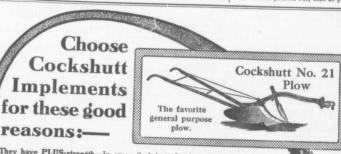
At a meeting of a special commit-tee of the directors of the Canadian Jersey Cattle Club, held in Toronto April 24th, it was decided to recom-mend to the members of the Club, at their annual meeting next winter, that the Dominion Minister of Agriculture be asked to change the pre-sent basis of figuring the milk and sent basis of nguring the milk and butter production of cows entered in the Record of Performance test. At present all cows entered in the test must exceed both the records specified below :

			Lbs. milk.	bu
-year-old c			5,500	-
e-year-old			6,500	
r-year-old c		4	7,500	
ure Class	 		8,500	-

at. 218

Mr. D. Drummond, of the Domin-Mr. D. Drummond, or the Domin-ion Dept. Apriculture, was present by request. He pointed out that as yet, the Jersey breeders have not been entering animals in the test, and suggested that the standard should be lowered as it was possible that breed-ers did not care to enter animals for ers did not care to enter animals for fear that they might not equal the standard. These present claimed that the reason animals had not been en-tered was because the test had not been sufficiently advertised among the ment breeders. It was pointed out that to breeders. It was pointed out the production of multis and but-ter production of multis and but-er than it is in Canada.

It was also pointed out, that at pre-



They have PLUS-strength-In every Cockshutt Implement, whatever its price or purpose, each part that must stand strains in actual work is built amply strong enough to stand much greater strains than even hardest usage will ever put it to. And that 'factor of safety' has been learned by actual experiment in the field. That's your insurance against breakdowns and repair-bills.

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sent a cow may not give the amount of milk required to enable her to pass the test but may give considerably more than the required amount of butter fat. It was suggested that the rules should be so amended that a cow that gives enough milk or but-ter to good the storage desplay. ter to equal the standard should be allowed to pass.

allowed to pass. After considerable discussion it was decided to recommend that the rules be as amended that hereafter, cows that win a certain number of point should be allowed to pass the test. It was suggested that the points should be figured as follows: that for every 9 Ibs of milk given a cow be creditbe figured as follows: that for every 20 lbs. of milk given a cow be credit-ed with one point, and for every pound of butter fat she be credited with one point. This will make 30 lbs. of milk equal to one pound of butter fat. On this basis, a two-year of would have to wire 400 pointers bs. of milk equal to one pound of butter fat. On this basis, a two-year old would have to win 492 points. ftree-year-0d 582; a four-yate. of 672, and a mature cow 762 joints. of this recommendation is approved by the members of the Club, the members of the Argaine and Hol-stein Friesian Cattle Breeders' Asso-ciations will be asked to consider the advisability of adopting the same sys-tem.

advisability of acopting the same sys-tem. Mr. Reid, of Berlin, stated that Messrs. R. J. Fleming, W.P. Bull, and D. Duncan, had each offered to contribute 550 to the Jersey prize list at the Toronto Exhibition and Dr. Orr \$25. He claimed that here are a large number of small "soy herds throughout the country splendid quality whose owners wiil not enter them at Toronto owing to the balief that they cannot compete successful-ly against the herds shown by such exhibitors as Bull & Son, Wil-liam McKenzie, D. Duncan and one or two others. Mr. Reid suggested that a clause be established for breeders who have not won a prize for breeders who have not won a prize at Toronto, during the past several years. Mr. Thompson Porter, sug-gested that classes be established, ingetted that classes be established, in-stead, for imported and for Canadian bred stock. This suggestion not meeting with approval, Mr. Porter then advised the addition of fifth and Mr. Fleming thought that the big breeders would take these additional Dreaders would take these additional prizes as well as the regular ones. It was finally decided, on motion, to ask the Toronto Fair Board to in-crease the present prize list where thought best and to add a fifth prize to the union list where considered ad. to the prize list where considered advisable.

visable. The action of Farm and Dairy in arranging for the holding of a dairy farms competition, this year in Onta-rio, was heartily endorsed. The opin-ion was expressed that the competi-tion will be productive of great good and it was decided to urge Jersey breeders and others to enter their farms in the competition. These preand it was decided to urge Jersey breeders and others to enter their farms in the competition. Those pre-sent were Messrs. R. J. Fleming, To-ronto, R. Reid, Berlin; D. Dunean, Don; L. J. C. Bull, Bramton; Thompson Porter, Toronto; H. A. Dolson, Allon; H. G. Clark, George-town; and A. H. Tufts, Tweed.

"Three Focs of Quebec Dairying," in Farm and Dairy April 22nd issue page 15, is from the pen of J. C. Chapais, Assistant Dairy Commis-ioner, St. Denis, Que. Through a printer's error the credit was omi-ted from this article when published.

In 1899 Denmark exported 110,000, 000 pounds of butter. In 1907 the to-tal annual exports had increased to 165,000,000 pounds, an increase of 50 per cent in eight years.

The salaries of makers is a live ques-tion in Denmark. More liberal pay of their employees is being urged upon the creameries.

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#### -Prof cultural Proport

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propor parts ver ommonly 10, however kind of pondent vise a pr 8 parts s For a 25 feet h proportio and 22 ba includes t the silo s in diamet furnish fo walls grad and becor being at thick .- Le Co., Limi

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is likely include ner found in r the average sary to wa ing as before tuals. The soiled cloth get into m of a milker during the before milk bacteria the quart of st was found washing did ria, but it would have milking. tried to det were left or washing wi number that in sterile wa ni

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### Pea Bran vs. Wheat Bran

Would pea bran be as good to feed to milking cows as wheat bran? Which is the cheaper to feed, pea bran at \$20 a ton or wheat bran at \$24 a ton?-N. S. B., Oxford Co., Ont.

Analyses made in this laboratory give the following results for pea

But the following results for peak bean and wheat bran: The hulls, 13 analyses - Crude protein, The hulls, 13 analyses - Crude protein, the second second second second second second text and the second second second second second text and the second second second second second text and the second text and the second second second second second second text and the second second second second second second second text and the second second second second second second second text and the second second second second second second second text and the second text and the second second second second second second second text and the second the second second second second second second second second the second s legumes is harder to digest than that in cereals, so that there is no doubt whatever that pea bran is very much inferior as a food for milch cows to wheat bran. I think that the wheat bran ought to be worth at least four dollars a ton more than the pea bran. -Prof. R. Harcourt, Ontario Agri-cultural College.

#### Proportion of Sand and Cement for Silo

What proportion of sand and cement should be used in building a silo? How much would it cost to build a silo 10 feet in diameter, 25 feet high, according to the strength you advise.—J. H.

the strength you advise.-J. H. Concrete silos are usually built of Concrete siles are usually built or a proportion one part cement to 10 parts very coarse gravel, or what is commonly known as a proportion 1 to 10, however, as we do not know the kind of material which your corres-pondent intends to use, we would ad-

Visa a proportion 1 part cement 8 parts and. 25 feet high it would require at a 25 feet high it would require at a and 22 partes of cement. This figure and 22 partes of cement. This figure and 22 partes of cement. This figure the about 5 parts and thick. The walk of the solid hourd average about 9 feet in diameter. The usual method is to a countain the word in the wide. The the sile should average about 9 feet in diameter. The usual method is to furnish foundations 12 ft. wide. The 'walls gradually taper on the outside and become thinner toward the top, being at the point about six feet thick.—London Concrete Machinery Co., Limited, W. Pocock, Manager.

#### Sound Advice for the Milker

The Connecticut Agricultural Experiment Station has been giving some attention to the milker as a source of bacterial infection in milk. A recent bulletin gives some information on this subject, based upon practical observation and experiments conduct-ed at the station, that every dairy-man should ponder over. Among other things it says:

man should ponder over. Among other things it says: The kinds of bacteria that the milk-er is likely to introduce into the milk include nearly the whole list of those found in milk. It seldom occurs to the average milker that it is as neces-sary to wash the hands before milk-ing as before eating a meal of vic-tuals. The number that come from soiled clothes and dirty hands which get into milk are large. The hands of a milker working around the farm during the afternoon were tested, just before milking time, for the number of bacteria that could be washed off in a quart of sterile water. The number was found to be 45,00,000. This washing did not remove all those that would have drouped off during the milking. Another experiment was tried to determine how many bacteria was find to the hands after thorough washing with soap and water. The number that could be washed off then in usterlle water was found to be 900,in sterile water was found to be 900 .-

000. These two experiments show

OOD. These two experiments show that 95 per cent of bioteria can be and the series of the collection of a man carry immense numbers of org-mainsm with dust from all sorts of con-traination. The milker has a much wider range for the collection of a larger number and greater variety of organisms than the collection of a larger number and greater variety of organisms than the cow. The only proper attire for a milker is a white due will and the series of the source of a very large number of harmless bacteria, but the largest barries bacteria, but the largest of the sectors of the series of the series of the sectors of the series of the series of the sectors of the series of the sec-harmless bacteria, but the largest proper sectors of the series of the sec-tors of the sectors of the sector of the sector of the sectors of the sector of the sectors of the sector of the secto

When milk is properly cured with ice it takes less milk to make a pound of cheese and it improves the quality of the milk. This is why it pays farmers to put in ice for summer use.—Senator D. Derbyshire, Brock-ville, Ont. ville, Ont.





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# FARM AND DAIRY

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FARM AND DAIRY is published every Thursday. It is the official organ of the British Columbia, Manitoba. Eastern and Western Ontario, and Bedford District, Quebec, Dairymeni's Associations, and of the Ganadian Holstein, Ayrshire, and Jer-sey Cattle Breeders' Associations.

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milled free on request. OUR PROTECTIVE POLICY The want the renders of Parm and developed that they cannot be and and the set of the set

#### FARM AND DAIRY PETERBORO. ONT.

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

#### THE PROPOSED COMMISSION

In view of the critical condition of the Canadian bacon trade, no sound argument can be advanced against the proposal to send a commission of Canadian farmers to Ireland and Denmark to study the methods that are followed in those countries. These methods, whatever they are, are enabling their farmers to take the British bacon trade from us.

It has taken us many years, and the expenditure of millions of dollars, to develop our bacon trade with Great Britain. We are letting this trade slip through our fingers. Should it be lost, its importance will not be fully appreciated until the time comes -as it will-when grains fall in value and we will again need a market for our by-products.

price of hogs has not been as high have been a success. The work in fu- such milk stands have a direct bene as conditions seemed to warrant, and ture must be directed towards keeping that prejudice has been created up interest in the clubs. against the packers. On the other hand, we know, also, that the cost of this end. A noteworthy departure feed is higher in Denmark than it is from the regular procedure of the Inhere, that land there is much more stitute Club, was a banquet held re-valuable than it is here, and yet we cently by the Central Dumfries Farmsee the Danish farmers increasing their exports of bacon rapidly, while ours have decreased steadily.

It is not likely that such a commission as proposed would discover any very great secrets. It is altogether likely that it would find that there are ways in which the Danes are better breeders and feeders than we are and that they are far ahead of us in the matter of co-operation. The infinitesimal cost of sending a commission to Denmark would be repaid to this country many times over were such a commission to merely show us the importance of more careful breeding and feeding. No person believes that the sending of a commission to Denmark is going to end our difficulties. It will be but a preliminary step towards improvement. The difficult task of possibly revolutioniz-

ing some of our methods will follow. It has been intimated that the swine

breeders are not in earnest in this matter. This is not the case. The project was first discussed carefully by the directors of the Dominion Swine Breeders' Association, and endorsed by them unanimously. Later, when brought before the members of the Association at their annual convention, it met with instant approval. The members of the Association proved their earnestness when they voted unanimously to send three of their members to Ottawa to urge Hon. Sydney Fisher to send such a commission to Denmark. The interest taken in the proposal by farmers generally has been shown by the large number of letters on the subject that have been published in Farm and Dairy.

The cost of sending a commission of our farmers to Denmark should not exceed \$4,000 to \$5,000. The commission might have an important influence in placing our export bacon trade, which is worth millions of dollars to us, on a better basis. If we have got to the stage where we think that we know it all, and that we cannot learn anything from our competitors, our position is a dangerous one, indeed.

#### STIMULATING INTEREST IN FAR-MERS' CLUBS

Far reaching benefits have arisen out of the organization of farmers' clubs over Ontario during the past year. The ideas of organization that they have engendered amongst their members, and the feeling of good fellowship that has been developed, to say nothing of the actual benefits in the way of the members acquiring in- situation. formation helpful to them in their

For the most part we know very well fore their fellows, and the countless constructed milk stands. Poor milk why our farmers have been going out advantages of such intercourse, have of the raising of hogs. We know that more than justified the effort and ex- one sees stands that are well con-

There are various ways of attaining ers' Club in Waterloo Co., Ont. This club was organized under the direc-

tion of Mr. F .C. Hart, District Representative of the Department of Agriculture at Galt. The menu card of the banquet in itself is of much interest. It had throughout a relish and an agricultural flavor that would appeal especially to all who were agriculturally inclined. It is reproduced elsewhere in this issue.

This banquet is an example of the social work of many of the farmers' clubs. The club idea is a good one, and it is clear that the Central Dumfries Club, at any rate, has been a benefit to the community. Such was in evidence at this banquet by the general good feeling that existed, and by the quality of the speeches.

### GROW CORN AND MORE OF IT

The possibilities of the dairy farm, in respect to the live stock that it may carry and the animal products it may turn off, are measured only by the quantity of corn and clover which the land will produce. Under good management, this seems almost unlimited For the last few years there has been a growing interest in corn and silos. Those enterprising farmers that have erected silos and have grown corn wherewith to fill them, have exercised a great influence on their neighbors. They have shown that more stock can be grown per acre where corn is grown, and that seasons of short feed supply have no terrors for those who STOW COTD

There is little danger of over-estimating the value of corn. It is not appreciated enough. Were a reliable seedsman to advertise corn by a new name, recounting only its actual merits while ingeniously concealing its identity, his advertisement would either by discredited or he would have an unlimited number of purchasers for this seed novelty. Let us show our appreciation of the merits of corn this coming year by growing an increased acreage of it. Those who have not grown corn before should start this year. Where cattle are kept one can make no mistake in growing this crop. An acre for every five cows will not be too much to start with. More will be grown after you become familiar with it.

#### COVERED MILK STANDS

The condition in which milk is delivered at the cheese factory depends for the most part on its proper handling at the farm. Whether or not it is cooled, and the location of the milk in the export trade, and there does not stand, are the factors that govern the

Many farmers in Peterboro Co., calling, the ability gained by many Ont., have convinced themselves of the in the art of expressing themselves be- importance of well placed and well deed, seem to be more need of it. One stands are the exception. More often the price of feed has advanced, that pense in connection with the organi structed and sheltered with covers, and breakfast table before their condition farm labor has been scarce, that the zation of these clubs. So far they the whole tastefully painted. While is known.

#### April 29, 1909.

ficial effect upon the quality of the milk sent from them, they have also a wholesome effect in other ways as well, and are particularly noticeable and attractive. They advertise their owner's ideals of how things should be.

The scheme recently launched in connection with the newly formed Poultry Producers' Association of Eastern Ontario, is a commendable one. The matter of co-operation, especially in the poultry industry, has been far behind the times in Canada. Certain societies in the Old Country and in Denmark have set us a lesson along this line in a way that we can well afford to follow. The great work that this new association has set itself for the present is to get producers and purchasers into touch, to their matual benefit, and buyers will be assured good eggs and poultry. Producers will be able to produce better eggs, in addition to securing information as to where to place their goods.

Among the salary increases provided this year by the Ontario Government, is one of \$250.00 for the Deputy Minister of Agriculture. This makes the salary of the Deputy Minister \$3,250 a year. The increase should have been much larger. Deputy Ministers in some other Departments are receiving \$4,000 a year, although it is probable that none of them have accomplished as much valuable work for the Province as the Deputy Minister of Agriculture, Mr. C. C. James, who has held his present position for about eighteen years and who has received numerous offers of other positions. The farmers of Ontario expect Hon. Mr. Duff to see that his Department receives proper recognition at the hands of the Government. He will not prove to be the man that he has already given indications of being, since assuming his new duties, if he allows his Department to be kept in the Lackground.

#### Standardizing Poultry Products (Montreal Daily Witness.)

The Poultry Producers' Association recently organized at Macdonald College has set objects before it that will commend it not only to the serious producers of eggs and poultry, but also to those who eat them, and who have had recent experience of paying sixty cents a dozen for new laid eggs that were stale, and for spring chicken that was very old hen. These should welcome an association which has before it the purpose of securing the inspection and proper grading of articles offered for sale. The Government inspection of fruit has considerably helped that industry, particularly appear to be any reason why the same beneficial results should not follow the application of the principle to eggs and poultry. There would, incan usually tell whether fruit is fresh or not before it is bought, but eggs

The org are, of cou ter prices will be wel plish it by prices obta ducing the house to th ing of our should ten the export

#### Farm

The Cen Club in W succes of April 13 readers we menu and t esting:

Exti

Pot (This is Plymouth R

Pigs' Feet Pick

Escalloped Sug Potatoe Pulped Turnip

Hot Scones and

Bran Mash on

President, God Solo, Mouth organ Ol

John Lee, Solo, OU Joseph Taylor A Readi

Alex. Slater Solo, Mis Albert Gillespie

THE Miss S. Moore J Recitatio

TI

Albert Taylor Miss F. McPhe W Instrumental, J THE M Mrs. Wm. Elliott Mrs. Wm. Milro Ada Instrumental,

#### Dairy Out

P. C. Duboyce The dairy out the Province of price for produ it was a year at ter was bringin a pound, where price is 20 to of milk the con more than last where farmers h of hay. Some stint their catt chase although high-\$8.00 to ing price. The is found in the ers in the Fren feeding straw as hoping to obtain prices of did this that to sale at any price that he found day's drive and

#### April 29, 1900.

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The organizers of the movement We have had a good winter, and there are, of course, aiming at securing better prices for their output, but they will be welcome to that if they accomplish it by giving certain value for the prices obtained and possibly by reducing the distance from the poultry house to the table. This standardizing of our poultry and egg products should tend very greatly to develop the export business.

### Farmers' Club Banquet

The Central Dumfries Farmers' Club in Waterloo Co., Ont., held an most successful banquet on the night of April 13th. For the benefit of our readers we herewith reproduce this menu and toast list which are inter-esting. esting : THE MENIT

SOUP Extract of Alfalfa Hay BOILED Potted-Head and Oxtail (This is to make ends meet) COLD MEATS

Plymouth Rock Wings, Shorthorn Ribs, Yorkshire Hams

Pigs' Feet with nice Brown Gravy Pickled Heart Stuffed VEGETABLES

VEGETABLES Escalloped Sugar Boets. Cream de Mangels Potatoes a la Empire State SALAD Pulped Turnips and Ensilage with Mayon-aise Dreasing Flazseed Jelly PASTRY

PASTRY Hot Scones and L

urger, and some Pies, DESSERT

Bran Mash on Toast with Whipped Cream FRUIT

DRINKS

#### wallow THE TOASTS

THE KING President, W. J. Douglas Solo, God Save the King Mouth organ solo - Albert Taylor Mouth organ solo - Albert Taylor OUR COURTY LODURIA Solo, Mrs. Wm. Elliott Solo, Mrs. Wm. Elliott GUR TOWNSHIP Joseph Taylor Arch Hall Richard Douglas Reficult Turr Addit Cult Turr Addit Cult Turr Addit Sherwood.

Solo, Miss Jennie Schmitt Bilder OUR CLUB Albert Gilleszie Wm. Slater F. O. Hart Solo, Wm. Gilleszie Miss S. Morte YOUNG MEN Miss S. Morte YOUNG MEN Ibert Taylor Mrs. John Taylor, Jr. Miss F. McPherson Miss Jean Taylor Miss F. McPherson Miss Jean Taylor Instrumenta Wm. Barrie Instrumenta Wm. Barrie Market Mark Miss McPherson THE MARRIE MEN

The MARRIED MEN Mrs. Wm. Elliott James La Mrs. Wm. Milroy Wm. Milro Adam Dykeman Instrumental, Mr. and Miss Milroy James Lake Wm. Milroy

### Dairy Outlook in Quebec

C. Duboyce, Missisquoi Co., Que. The dairy outlook in this section of The dary outlook in this section of the Province of Quebec as regards price for produce is not so bright as it was a year ago. At that time but-ter was bringing from 28 to 33 cents a pound, whereas now the wholesale price is 20 to 21. As regards flow of milk the cows will give probably more than last season except in cases where farmers have been caught short. where farmers have been caught short of hay. Some are unwise enough to stint the cattle rather than pur-chase although the price is not very high-\$800 to \$10.00 being the rul-ing price. The cause of the low price is found in the fact that many farm-ers in the French country have been feeding at the two straw is for solution of last year. So many old this that to-day no straw is for sole at any price, one man reporting where farmers have been caught short chase although the price is not very can be avoided. "At a sale, eight or ten men are "ing price. The cause the low price is found in the fact that many farm-is found in the fact that many farm-res in the French up have been more likely to obtain a high price for heading traves and suring their hay, high prices of last years have. "Filteen or 20 times a year. I have did this that to day no stres is for that the fock up of the same of the solid the price for head as any price, one man reporting that he found only five tons in a way. I lose a greet deal to time. If day's drive and that was not for sale. "my stock was sold at a public sale,"

is a prospect of good pasture, and cows that have been well fed will do cows that have been well fed will do better than last year. However, an animal which has not been fed dur-ing the winter cannot be expected to render a good account of herseli during the following summer: Con-sequently, there will be instances of herds coming out on grass "spring poor" in spite of the actual plonty of hay. Still, the hav is heoring not co poor" in spite of the actual plenty of hay. Still, the hay is beginning to he vory active on the market and anyone driving in the edge of the flat level country will meet as many loads of hay as of any other commod-ity, each farmer taking two to 20 tons from the "wise virgins" who fed

from the "wise virgins" who rea straw. A new feature of dairying in this country is the shipping of milk and cream to Montreal. For years, this was done by a limited number of dairies. Now, however, it is being practised by several creameries and cheese factories who have installed pasteurizers and are shipping cream to Montreal in large quantities. The farmers who continue to ship milk say that the Oream and Milk Ship-pers' Association are maintaining the preise of milk at the old level, but they cliccovered the good returns from ship-ping the unmanufactured article to the milk and cream dealers in the city.

The creamery men say that the The cream in Montreal is lower than last year by just about the ex-press charges thereon. That is, press charges thereon. That is, whereas the express charges last year were paid by the Montreal dealers this year the prices are used to be and the shipper has to pay this way as the price of cheeses is the supress. The price of cheeses is the supress this year as last and the visible sup-ply of old cheeses on hand the this year as last and the visible sup-ers will do better this season than those who make butter.

### Public Stock Sales Advocated

"I believe that breeders of pure "T believe that breeders of pure-bred stock can secure better results by public sales than by selling pri-vately," and Dairy, who visited his place recently, Mr. Gilroy is a well-known breeder of Holstein-Friesian cathe and is the President of the Canadian Holstein-Friesian Associa-tion.

Condian Holstein-Friesian Associa-"If a breeder," said Mr. Gilroy. "an once secure the confidence of the people that his sailes will be con-ducted on obmest lines, he is almost certain to obtin higher prices for his stock. Some condition, but she goes wrong after condition, but she goes wrong after saile. When such an animal is othe saile. When such as something wrong with her when he purchased here was something there was something when the animal is sold by public sales. LETTER WRITING TROUBLESOME

#### LETTER WRITING TROUBLESOME

LETTER WEITING TROUBLESOME "If find that it is a great task to try and answer all the isters that I re-ceive from farmers tetters that I re-different to purchase storight the they want to purchase storight the them expect a long reply. This letter-writing is a difficult matter for the average breeder to attend to. When the stock is sold by auction, the pedigrees of the animals can be given in the sale entalogue and the greater portion of this correspondence can be avoided.



the work would all be done at one time. I think that breeders should co-operate more in holding these asles. If breeders in different sections would hold joint sales, they exclose would advertise their sections and large expense "It is a great advertage to a sec-tion to become knownatage to a sec-some special line of luciok. When will find that they will all be bene-some pure-bred Holsteins, I like to go to centres in the United Blates where the others will be intracting buyers to the other will be bene-tion advertise. The some pure-bred Holsteins, I like to go to centres in the United Blates where

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Are yours Mr. Readert sometimes your whole fortunes particle in these buildings, the source in the source of the main of the source of the source the source of the source of the particle of the source of the term of the source of the source of the source of the term of the term of the term of the source of the term of the source of the term of the term

The handsome Gothic Tile pattern warreins helt use on "Gait" Corrugate Steel Sheets are the best made. Straight, true, close-fitting cor-tisht root-free a weather-tisht root-free a weather-tisht root-free a weather root, "Gait" Galvanized gro-All "Gait" Galvanized gro-

THE GALT ART METAL CO., LIMITED, GALT, ONT. Sales and Distributing Agents: Dunn Bros., Winnipeg and Regina.

ame of this publication when

All "Gait" Gaivanica dro-ducts are made from the Best which will vanised Sicel Sheets which will vanised Sicel Sheets which will vanised Sicel Sheets bet accept inferior scods-the "Gait Kind" cost no more the "Gait Kind" cost no more the "Gait Kind" cost no more dur free Catalog "B-3" tells about these groots. THE SHEET METAL AGE.

#### \* Creamery Department Butter Makers are invited to send contril lons to this department, to ask questions ak questions on ing and to sug-Address your tment. ery Depart for disc sest subjects for letters to the Crea

Managing a Successful Creamery

# Good buildings and equipment while Become of the second se States is to the point. "First of all, you must have the raw

"First of all, you must have the raw material or cream as it is called. There are many creameries started that do not have enough cream, and they will probably run a season or three or four months and then say the creamery is a failure. You can-not buy milk or cream by guess work or how many pounds of butterfat the ean contains. You must know how or now many pounds or putternat the can contains. You must know how many pounds of butter you ship to the commission house. It should not be guessed at or their word taken for can contains. You must know how many pounds of butter you ship to the commission house. It should not be guessed at or their word taken for it, but weigh every tub and see for yourself. Tube should be parafined or soaked in brine water to prevent shrinkage from the creamery to the butter buyer, a pound or two counts up in a year. Weigh what you sell must teach you buy, and that is must teach you buy, and that is must teach to a first-class piece of but-ter, and good butter always demander. You must put the butter in clean tubs or packages, for the outer ap-

pearance is seen first, and a dirty tub is generally passed up to the last be-cause the outide is dirty and the but-ter of a poor grade. A clean package is half the sale of butter, and the but-ter-maker should not forget the part he plays in the dairy business. It is his duty to make the best butter pos-sible from the cream he receives, and his duty to make the nest putter pos-sible from the crean he receives, and he should always try to set an example of cleanliness. When considering the success of a creanery, there are a grean many details to take into con-sideration, the greatest of them all is, that it is necessary to receive enough raw material to keep the cost of raw material well below 2c. per pound, of butter.

Why does a creamery that has as-Why does a creanery that has as-surance of success when starting out, fail to make good *P*. There is only one logical answer to this question, and that is, the failure of such a crean-ery is due entirely to incompetency of management, or buttermaker. One of the main items about a crean-ery is to be economical with the coal and oil, and taking good care of all the machinery.

### Starters in Butter Making

Station, under the direction of Pro-fessor F. W. Bouska, Dairy Bacteriol-ogist. The results of these experi-ments have been published in bulletin form, and may be obtained in bulle-tin form, and may be obtained from Director C. F. Curtiss, Ames, Iowa. Ask for Bulletin No. 103, "The Use of Starters in Butter-Making."

#### Why Dairying is Popular

L. Tennant, Brant Co., Ont. L. Tennon, Bran Co., Ont. There has been a decided increase of late years in the number of those farmers who are making dairying the main feature of their farm work. Some reasons must exist for the in-creased interest in this line of farm-

#### Valuable to Creamerymen

I would not like to be without I would not like to be without Farm and Dairy as I find some very useful and instructive ar-ticles relative to the creamery business in it. Every dairyman should become a subscriber to Farm and Dairy.-H. B. Lowe, Waterloo Co., Ont.

ing. Let us consider a few of them. Prices for dairy products within the last few years have been much higher than they were 15 years ago. This advance in prices has been due to the increased export demand for butter and cheese and also to the in-crease in population of our own towns and cities. This increase in price means a considerably larger price means a considerably larger profit to those engaged in producing butter, or cheese, or supplying the cities with milk, and is one cause of the larger number of dairy farmers.

DRIVEN OUT OF BEEF.

But there are other reasons. The opening up of the great plains of Western Canada and the development of ranching has given the Ontario April 29, 1909.

farmer a rival in beef production. In these cheap lands beef of the best quality can be produced so cheaply that the Eastern feeder of beef catthat the Eastern feeder of beef cat-tle is very nearly put out of busi-ness. Seeing his profit nearly re-duced to zero he naturally turns to some other line and finds in the dairy cow an animal which will give him a large roturn for the feed consum-ed and the care given to her. On the high priced lands of Eas-tern Canada we are beginning to find that we will have to largely increase the returns from each acre farmed, if we are going to make any prog-

the returns from each acre farmed, if we are going to make any prog-ress. The dairy could be account of the us accompliant this task. We have examples of men who maintain a milking herd of 20 cows on 30 acres of a day of the account of the feed. By means of alfalfa, dover, silage and summer solling crosps, milk can be produced very cheaply and farmers are beginning to realize this fact and are going into dairying.

#### VALUABLE BY-PRODUCTS.

VALUABLE HY-PRODUCTS. The by-products of dairy farming skim milk and whey, are valuable. Fod judiciously to hogs in combina-tion with meal they produce rapid gains and enable the feeder to pro-duce bacon at a low cost. The man-ure from a dairy herd is also valu-able and when properly cared for and applied to the soil will maintain and increase the fertility. In nearly er-ery community there are some men-who have settled upon poor farms and by keeping dairy catle have built up the soil until its productive. The sole and to due up dairying and the demand to due up dairying and govs from these with a dee near the hard the farmer to-day is more able that produce to day and the sole and the sole that have been a map of the sole that the day of the sole of

production an important feature of his work.

Confession of a "Bucket Bowl" lose cream, rack the separator to pieces, This is an extract from an article

written by a prominent manufacturer of "bucket bowl" cream sep-arators. He frankly admits that "bucket bowl " cream separators cause trouble. Remember, that when he says "cream separator," he means the "bucket bowl" sort. Here is the extract :

"Everybody who has ever used a Cream Separctor for any length of time knows that it is a difficult thing to keep the bowl in perfect balance. When a separator bowl gets out of balance in use, the machine runs rough, making a peculiar buzz or roaring noise. When in this condition, it does not make as clean a separation as when it is running in good balance. There is, therefore, a loss of fat in the skim milk, due to its running out of balance ; besides this, the rough running of the bowl multiplies the wear on the bearings many times, and if the bowl is not sent back to the factory for rebalancing, it The Dairy Tubular. The most efficient, will keep getting worse, and soon wear out the separator mousey can buy. The supply can is whole separator. Every separator manufact, low sleady and need not be removed to take urer, and most separator dealers, have realized. not sent back to the factory for rebalancing, it urer, and most separator dealers, have realized.

years ago, that if a separator could be made self balancing it would be the greatest single improvement that could be made in separation."

That's the whole story. "Bucket bowls" are wrongly built, cannot be kept in balance, begin to rattle, shake, create friction,

Maker

and must be sent back to the factory for repairs. Why? Because "bucket bowls" are set on top of the spindle, have all the weight above the point of support, are held upright by several bearings, are always trying to tip sidewise, and eventually will get into the condition this "bucket bowl" maker describes.

Avoid "bucket bowl" troubles by getting a Sharples Dairy Tubular Cream Separator. Different from all others. Tubulars are, and always have been, self-balancing. Why? Because Tubular bowls hang below a single frictionless ball bearing that supports them-the only bearing they have or need. Tubular bowls hang just like a plumb bcb, and hang just as true, and for exactly the same reason. Sharples bowls are the only self-balancing bowls made. If you want a self-balancing bowl, get a Sharples Dairy Tubular.

The manufacture of Tubulars is one of Canada's leading industries. Backed by 29 years experience. 1908 sales way ahead of 1907-out of sight of most, if not all, others combined. 1909 is proving better yet. Write for catalog-No. 253, describing the Tubular.





The Sharples Separator Co. Toronto, Ont. Winnipeg, Man.

April 29;

### ..... Cheese Makers are inv relating to cheese jects for discussi The Cheese Mak

2000000000 Work of In

> The Dairy year, as usual, special instruct Kingston, in work of the men met at G profitable week rection of Prof. Herns, Chief stern Ontar western Ontar had a somewh Kingston unde Mr. G. G. Pul structor for H who is now al the Dairy Scho The instant

The instructo The instructo spective distri-than ever to re-to the makers i and creameries and assistance to occupy most of been directed b give as much ti effort to improv effort to improv received from t past the Instru impossible to ca producers, and have confined t places from white reached the fact reached the fact dition. While a on the part of visit as many this season, it i they will find the to the improvem-rial to the extent for In these of for. In those c material shows care, the effect care, the effect suitable feed, or tion, which resul tion of the milk, endeavor to make the premises of factorymen will h ate in an endeau improve the quali

A full census o

A full census of creameries will be season, with a v from the Departu a complete lish for The Instructors w not only of the c factories, but als assistants. This i, of value when iss permits at the be those who have be tory work during tory work during and 1910. It will, best interests of th their helpers to ke in hand at all tim

cleanliness is obser It is the intent ment to call toget instructors and Pro to deciding upon to cates or permit to nouncements will course, so that fac requirements certificates or perr the certificate or p give due recognitio experienced factory have not had the Dairy School traini The names of th gether with their cates for 1909 are g

Western Chief Instructor, Lond

CHEESE P/ Listowel syndicate

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## \* **Cheese Department** Makers are invited to send contributions to this department, to ask questions on matters relating to cheesemaking and to suggest sub-iects for discussion. Address your letters to The Cheese Maker's Department.

### Work of Instructors for 1909

The Dairy Instructors have this ear, as usual, been required to take year, as usual, been required to take special instruction at the Dairy School Kingston, in preparation for the work of the season. The western Kingston, in preparation for the work of the season. The western men met at Guelph, and had a very profitable week's work under the di-rection of Prof. Dean and Mr. Frank Herns, Chiefo Dairy Instructor for Western Ontario. The Eastern men had a somewhat longer course at Kingston under the supervision of Mr. G. G. Publow, Chiefo Dairy In-structor for Eastern Ontario, and who is now also Superintendent of the Dairy School.

the Dairy School, The instructors will go to their re-spective districts better prepared than ever to render valuable service to the makers in the cheese factories specific the relative better prepares than ever to render valuable service to the makers in the cheese factories and creameries. While instruction actions misance to the factoryme will been directed by the Department to give as much time prolible in an effort to improve the prolible in an effort to improve the prolible in an effort to improve the prolible. The pro-gram are as the producer. The pro-part the Instructors have found it impossible to call upon many of the producers, and for the misk had not reached the factory in first class con-dition. While an effort will be made on the part of the instructors to this as many farmers as possible this as many farmers as possible this as many farmers as possible in the part of the instructors to the same farmer as possible will find the the raw mate-rial to the extent that the raw mate-rial to the extent that the raw mate-rial to the extent that the raw mate-rial to the resulted in a deteriora-tion, which resulted in a deteriora-tion, which resulted in a deterior-tion, the mails, the instructors will undeavor to make a personal visit to the premises of the producer. The factorymen will be urged to co-oper-ate in an endeavor to still further invore the quality of the raw mater-ial.

A full census of the factories and

A full census of the factories and croameries will be secured early in the season, with a view to publishing from the Department of Agriculture a complete list for the secson of 1900. The Instructors will observe the work not only of the chief makers in the factories, but also those who act as satustas. This information will be of mission when issuing certificates or effective when issuing certificates or density when issuing continues of 1911 to these with here been employed in fac-tory work dwig the season of 1900 and 1910. Its will therefore, be in the best interests of knew the investment their helpers to keep their work well in hand at all times, and to see that

Dairy School training. The names of the Instructors to-gether with their respective syndi-cates for 1909 are given below:

gess, instructor, Listowel;' London syndicate, Arthur E. Gracey, Dor-chester; Brantford syndicate, R. H. Green; instructor, Cayuga; ingersoll and Woodstock syndicate, E. N. Hart, instructor, Ingersoll and Woodstock; Stratford syndicate, Alex McKay, instructor, St. Marys; Simoos syndi-cate, Geo. Travis, instructor, Tillson-burg. burg.

CREAMERIES.

Fred Dean, instructor, Guelph; lack. Robertson, instructor, St. Mack Marys.

### Eastern Ontario Chief Instructor, G. G. Publow, Kingston.

Ainglion, Napanee syndicate, Geo. Bensley, instruct, Napanee, Kingston syndi-cate, H. Napanee, Kingston syndi-cate, M. A Enistanti, instructor, 133 Alfred S. Brindsov, instructor, Mille Roches, Lindsov, instructor, Mille Roches, Lindsov, Jose Chicroft; Plantagenet syndicate, J. J. Plantagenet syndicate, Jose Charpon-neau, instructor, Plantagenet; Brock-ville, W. syndicate, S. S. Cheetham, instructor, Gananoque; Otawa syndi-cate, W. W. Dool, 17 Cooper St., Ottawa; Perth syndicate, J. H. Ech-lin, instructor, Balderson, Chesterville syndicate, T. J. Ellis, instructor, Chestorville; Otawa, W. R. E. Elliot, instructor, Carp; Kemptville syndi-cate, W. G. Gardiner, instructor, Kemptville; Vanklack; Hill syndicate, W. G. Graham, instructor, Vanleek cate, W. G. Gardiner, instructor, Kemptville, Vankleek Hill syndicate, W. G. Graham, instructor, Vankek Hill; Campbellford syndicate, R. T. Gray, instructor, Campbellford; Belle-ville syndicate, H. Howie, instructor, Belleville; Finch syndicate, C. B. Larry, instructor, Finch Madoe syn-dicate, J. B. Lowery, instructor, Frankford; Alexandria: syndicate, A. McDonell, instructor, Box 30, Alexandria: Brockville N. P. Nolan, instructor, Philipsville; Morrisburg syndicate, C. W. Novral, instructor, N. Williamaburg; Picton syndicate, T. E. What; Ottawa E. syndicate, With Falls; Ottawa E. syndicate, With Stalls; Ottawa E. syndicate, Categories, Syndicate, R. W. Ward, Newton, Alexan, Instructor, Casselman; Statustor, 600 George St., Peterboro; Brockville E. syndicate, A. H. Wilson, instructor, Athens.

#### CREAMERIES

Instructor in some of the creamer-ies in Eastern Ontario, and Assistant to the Chief Instructor, J. H. Singleton, Kingston.

### Experiments with Whey Butter Geo. A. Putnam, Supt. of Dairy

Instruction. (Concluded from last week)

The function of the state of t

The quality of the product which it would be possible to make from this fat would determine, of course, its market price. The conclusion of the three experiments shows that whey-butter is slightly inferior in quality to that of butter made from whole milk under average creamer condito that of butter made from whole milk, under average creamery condi-tions, and that when creamery butter is a high price and scarce the whey-butter will bring very nearly as high a price, within a cent or two, but when good creamery butter is plenti-ful there is a wider margin of differ-ence betware that we replaced. The ful there is a wider margin of differ-ence between the two products. The price which the bury would bring under market conditions would bring 1908 was placed at an area point of six cents a lb. on whey-butter manufactured, or fifteen cents per 1,000 lbs. of whey. It must be borne in mind, however, that if the factory is co-operative all of this increase would go to the patrons, but if the profit ye be ajoint Stock Co., then this profit, no doubt, be divided be-tween the shareholders and the patrons.

parons. The general conclusion is that, un-ta a factory is a large one, or con-tions are favorable to centralizing the one of the state of the state of the the manufacture whey-butter but was rafe in concluding that the making of butter from whey is a real source trage loss of fat in whey. Of course trage loss of fat in whey with an are the state of a factory with an enter the state of a factory with an enter the state of the state of the state the whey the net recence would be with an unusually small loss of fat in the whey the net revenue would be reduced accordingly, possibly in some cases to the vanishing point. Each individual concerned will have to esti-mate for himself what is the minimum aupply from which it is profitable under his conditions to manufacture whey-butter. whey-batter.

If our eastern Ontario farmers are ever going to make much profit out of dairying they must grow more feed on their farms.—Senator D. Derby-shire, Brockville, Ont.

I am much pleased with the marked improvement in Farm and Dairy.--Geo. J. Northcott, Durham Co.





# LAND for SETTLEMENT

Lands are offered for settlement in some cases FREE, in others at 50 CENTS per acre, in various districts in NORTHERN ONTARIO.

Write for information as to terms, homestead regulations, special railway rates, etc.





TET not future things disturb thee, for thou wilt come to them if it shall be necessary, having with thee the same reason which thou usest for present things. Marcus Aurelius.

### Sowing Seeds in Danny By Nellie L. McClung.

(Continued from last week.)

M<sup>ARY</sup> Barner took up the burden of caring for her father without question, for she loved him with great and pitying love to which he re-sponded in his best moments. In the winter she went with him on his drives night and day, for the fear of what might happen was always in her heart. She was his housekeeper, his office-girl, his bookkeeper; she en-dured all things, loneliness, poverty, disgrace, without complaining or bitterness

16

terness. One day shortly after Mrs. Barn-er's death big John Robertson from "the hill" drove furiously down the street to the doctor's house, and rushed into the office without ringing the bell. His little boy had been cut with the mower-knives , and he implored the doctor to come at one... The devices of the to come at one. \*\*\*\*\*\*\*\*\*\*\*\*\*\*

implored the doctor to come at once. The doctor sat at his desk, just drunk enough to be ugly-tempered, and curly told Mr. Robertson to go straight to perdition, and as the poor man, wild with excitement, begged him to come and offered him money, be yawned nonchalantly, and with some slight variations repeated the immetion

some slight variations to reversation, impunction. Mary, hearing the conversation, came in hurriedly. "Mary, my dear," the dector said, "please leave us. This gontleman is "the formatting himself and him came in hurriedly. "Mars, my dear," the doctor said, "please leave us. This gentleman is language is shocking." Mary did not even look at her father. She was packing his little satchel with all that would be needed. "Now pick him up and take him," "Now pick him up and take him," is all that when he says now." Big John seized the doctor and m bore him struggling and protesting ha to the wago.

to the wagon.

The doctor made an effort to get

out. "Put him down in the bottom with this under his head"—handing Big John a cushion—and put your feet on him," Mary commanded. Big John did as she bid him, none too gently, for he could still hear his little boy's cries and see that cruel isomed wound.

ithe buy's cries and see that crue jarged would and reason of the cried "Oh, don't hurt him." she cried pitcously and ran sobhing into the house. Upstairs, in what had been her mother's sroon, she pressed her face against her mother's kimono that still hung behind the door. "I am not crying for you to come back, mother," she sobhed bitterly, "I am just crying for your little girl." The doctor was aaleen when John reached his little shanty in the hills. The child still lived, his Highland mother baving stopped the blood with rude bandaging and ashes, a remedy learned in her far-off island home.

home

John shock the doctor roughly and cursed him soundly in both English and Gaelic, without avail, but the child's cry so full of pain and weak-ness roused him with a start. In a minute Dr. Frederick Barner was himself. He took the child gently from his mother and laid him on the bed. hed

For two days the doctor stayed in John's dirty little shanty, caring for



Disconsolate without it Master Harold Orr Hewitson, bourth generation of fruit growers at Fruitland, Ont.-a grandson of Mr. W. M. Orr, one of Ontario's best known and most successful fruit growers. The photose were taken by Mr. J. E. Orr,

clung to the "old man" in spite of his drinking. They could not forget how he had fought with death for them and for their children. Of all his former skill but little remained now except his wonderful presence in the sick room. He could still inspite the greatest confidence and hope. Still at his coming a sick man's fears fell away from him, and in their stead came hope and good cheer. This was the old man's good gift that even his years of siming could not wholly de-strey. God had marked him for a greet physician.

stroy. God had great physician.

CHAPTER III

THE PINK LADY When Mrs. Francis decided to play Lady Bountiful to the Watson family

little Murdock as tenderly as a mother. He cooked for the child, he sang to him, he carried him in his arms for hours, and soothed with a hundred quaint fancies. him He superintended the cleaning of the house and scolded John's wife sound-ly on her shiftless ways; he showed her how to bake bread and cook little b) on her annues ways; he snowed her how to hake bread and cook little dishes to tempt the child's appetite, winning thereby her undying grati-tude. She understood but little of the scoling, but she saw his kind-ness to her little boy, for kindness is the same in all language. The source of the doctor's shoulder, he smiled and chatted and asked for his "daddy" and his 'mathar." Then Big John broke down utterly and tried to speak his gratitude, but the doctor abruptly told him to quit his blubbering and hitch up, for little Murdock would be chasing the hens again in a week or two. The doctor went faithfully every

Then Big John broke down utterly Lady Bountiful to the Watson family and tried to speak his gratitude, but she not only ministered to their phys-the doctor abruptly told him to quit his blubbering and hitch up, for little set about to do them good, if they would be done good to. Mrs. Fran-cis's heart was kind when you could The doctor went faithfully every was kind when you could and abruct truths the mass deeply crust-day and dressed little Murdock's ed over it was that when a do reflections has care, remaining perfectly sober may people knew als had one.

When little Danny's arms were thrown around her neck, and he called her his dear, sweet, pink lady, her pseudo-intellectuality broke down be-

meanwhile. · Hope sprang up in Mary's heart-for love believeth all things At night when he went to bed and she carefully locked the doors and took the keys to her room, she breathed a sigh of relief. One more

breathed a sigh of relief. One more day won! But alas for Mary's hopes! They were built upon the slipping, sliding sands of human desire. One night she found him in the office of the she found him in the office of the she found states and the she of the same condition of mellow exhilars. tion

Mary's white face as she guided her father through the door had an effect upon the men who sat around the office. Kind-hearted fellows they were, and they felt sorry for the poor little motherless girl, sorry for "old Doc" too. One after another they went home, feeling just a little ashamed.

ashamed. The bartender, a new one from across the line, a dapper chap with diamonds, was indignant. "I'll give that old man a straight pointer," he said, "that his girl has to stay out of here. This is no place for wo-men, anyhow"---which is true, God traces.

knows. Five years wont by and Mary Bar-ner lived on in the lonely house and did all that human power could do to stay her father's oril course. But the years told heavily upon him. He had made some fatal mistakes in his prescribing and the people had been compelled to get in another doctor, though a great many of those who had known him in his best days still

knows.

fore a power which had lain dormant. She had always talked a great deal of the joys of motherhood, and the rapturous delights of mother-love. Not many of the mothers knew as much of the proper care of an infant during the period of detention as she. She had read papers at mother's meet-ings, and was a full of health talks as a school themicalcone ings, and was as rull or nearn targe as a school physiology. But it was the touch of Danny's soft checks and clinging arms that brought to her the rapture that is so sweet it hurts, and she realized that she had missed the sweetest thing in the data and the sweetest thing in

she had missed the sweetset thing in life. A tiny fame of real love began to glimmer in her heart and feebly shed its beams among i o debris of cold theories and second-hand sensa-tions that had filled it hitherto. She worried Danny with her atten-tions although he tried hard to put up with them. She was the lady of his dreams, for Pearl's imagination had clothed her with all the virtues and graces.

fore a power which had lain dormant.

had clothed her with all the virtues and graces. Hers was a strangely inconsistent character, spiritually minded, but selfah; loving humanity when it is spelled with a capital, but knowing nothing of the individual. The flow-the hadre is a special stranger the hadre is a special stranger forting no one with its beauty. Pearl Watson was like the rugged little anemone, the wind flower that litts it head from the cheerless prai-rie. No kind hand softens the heat or the coid, nor tempers the wind, and yet the yery winds that blow upon it are a species of geoce cheer, that glad-dens the hearts of all who pass that way.

Mrs. Francis found herself strongly attracted to Pearl, Pearl, th housekeeper, the homemaker, a child

Mist. Francis round nersell strong-by attracted to Pearl, Pearl, the housekeeper, the homemaker, a chid with a woma's responsibility, appeal-ed to Mrs. Francis. She thought and the pearly very often. Not and your day that Pearl was built and your day that Pearl was thin and your day that Mrs. Francis conscientionsly tried to Mrs. "Oh ma' Pearl said to her Moth-er that ninght, when the children had gone to bed and they were sewing by the fire. "Oh, ma' she told me more to-day about me insides that I would care to remember. Mind ye, ma, there's a sthring down yer back no bigger'n a knittin' needle, and if ye vere broke it ye'd smill out before ye hat di what ye was doin', and there's a dingen in yer ear that if yegot a dinge and in yer ear that if yegot a dinge and it, it would that your's taking not be the units the ab ad-what is it called ma?" "Her mother told her. "Yes, appendicitis, that's what she aid. I never know'd here was so many places inside a person to go wrong, did ye, ma? I just thought we had liver and lights and a few things live and hights and a few the said. Schhing'y, as she cut out the er said, sochhing'y, as she cut out the

"Don't worry, alannah," her mother said soothingly, as she cut out the other leg of Jimmy's pants. "The Lord made us right, I guess, and he won't let anything happen to us." (Continued next week.)

...

#### An Ontario Cemetery Association

Following our article in the April 15 issue of Farm and Dairy, entitled, "What Some Women Have Done," in which we showed what the women of a little town in one of the northern states have done to beautify their village cemetery, we were pleased to

#### April 29, 1909.

April 29. receive a let cemetery ass Ont. This toy

to-date worki which is a c village. The village. The officer of th below

"The Kemp etery Compa incorporated i Rutherford,



A

Alberta, was a barrister in th active interest into proper wi iately after the and the complegal status, tappointed a Bo appointed a Bo Board at once i by-laws and re sites, and subr general meeting of the proposed plete informati ing the suitabi ments, purchase

The by-laws v opted, the pres the directors i with the prepar for use.

The cemetery i the width being the length, and eight acres, prop and surrounded surface is level, enough to sustai not productive

coarse grasses. There are thre wide, one on eit the centre, runn



of the grounds, a ways thus dividing large plots and around each and entire grounds. I plots is divided im lots 20 x 12 ft. and space 6 feet wide all lots.

RULES GOVE

Lots are sold sul of the company and by an owner with the directors. It is vision that the oper closure of lots, erect planting of trees mentation and deco is kept under cont larity, order, symmet preserved.

WITHIN EA The cemetery is e any part of the to who wish may vis necessity of a long of

receive a letter from an enterprising cemetery association in Grenville Co. Ont. This town has now a live and up Ont. This town has now a live and up-to-date working Cemetery Association, which is a credit to any town or village. The letter received from an officer of the Association is given below

"The Kemptville, Ont., Public Cemetery Company was organized and incorporated in 1895. The Hon. A. C. Rutherford, the present premier of



#### A Model Drive

Alberta, was at that time a leading barrister in the town, and took an active interest in getting the company into proper working order. Immediately after the charter was granted, legal status, the members met and appointed a Board of Directors. This pard at once met, organized, drafted Board at once met, organized, drafted by-laws and regulations, selected two sites, and submitted the whole to a general meeting with full explanation of the proposed by-laws, and as com-

of the proposed by-laws, and as com-plete information as possible regard-ing the suitability, sanitary require-ments, purchase price, etc., of the site. The by-laws were discussed and ad-opted, the present site selected and the directors instructed to proceed with the preparation of the grounds for usa. for use.

The cemetery is rectangular in form. The cometery is rectangular in form, the width being about three-fifths of the length, and the whole containing eight acres, properly drained, enclosed and surrounded by shade trees. The surface is level, soil sandy, but fertile enough to sustain vegetation and yet zot productive of weeds, or rank

coarse grasses. There are three driveways, 30 feet wide, one on either side and one in the centre, running the entire length



### Neat and Well Kept Lawn

of the grounds, and four cross drive-ways thus dividing the whole into six large plots and giving a driveway around each and also around the entire grounds. Each of these large plots is divided into alternate rows of lots 20 × 12 ft, and 10 × 10 ft. lots 20 x 12 ft. and 10 x 12 ft., with a space 6 feet wide for a walk around all lots.

#### RULES GOVERNING LOTS

Lots are sold subject to the by-laws to the company and cannot be re-sold by an owner without the consent of the directors. It is through this pro-vision that the opening of graves, en-Vision that the opening of graves, on-closure of lots, erection of monuments, planting of trees and shrubs, orna-mentation and decoration of lots, etc., is kept under control, and the regu-larity, order, symmetry of the grounds Dreserved. preserved.

#### WITHIN EASY ACCESS

The cemetery is easily reached from any part of the town so that those who wish may visit it without the necessity of a long drive or a tiresome walk. A good well, watering cans, lawn mower, garden rakes, etc., are provided for the use of the public in keeping their lots in proper condition during the summer months.

during the summer months. The committee on grounds, which is elected annually, has complete over-sight of the cemetery and looks after all improvements, planting of trees, which is a summary of the second states of the second temperature of the second states o all improvements, planting of trees, shrubs, etc., during the year. This committee also gives the superinten-dent of the grounds such direction and instruction, in his work as is found necessary from time to time."

The above information will be of much use we are sure to any town or village contemplating a similar organization. \*

## Talks with Mothers Mothers are requisited to write the Honschold Editor, on any matters they would like to see discussing to questions of most interest to Heating to will endeavor to publish short lotters or articles on any subjects most desired by our Canadian mothers. Contributions for this column are solicited. Mothere are requested to write the Homshold the totion on any matters they questions of most interests of the write and the totic of the totic of the write and the totic of the totic of the product of the totic of the totic of the totic of the totic of the product of the totic of the totic of the column are solicited.

#### Order in The Home

If it be true that 'order is heaven's first law,'' it is surely also true that it is the law of every well-managed home. A really restful, attractive home cannot exist without neatness. How to secure neatness is one of the lessons some housawires have neares How to secure heatness is one of the lessons some housewives have never learned, and, not possessing the secret, they cannot impart it to their families.

They cannot impert it to their take-like. Sometimes a big mistake is made in beginning a home. The wife, or the husband, or both, may have lived in one of these cluttered-up houses most of their lives, a home in which things in general are just dropped over in no place in particular. Terhaps the husband had one of the distribution of the second content of the husband had one of the distribution of the second content of the second second content of the second second second content of the second second second the second second second second content of the second secon

those dear, good, patient, hard-work-ing, mistakenly devoted mothers who tagged after him, picking up his is trained to better ways uncom-plainingly year after year. Even so, he can be trained to better ways —that is the same to homes, with a really ele-entrance, in and an attractive from orthogen are in the kichen and of oluter. Windowsills are conven-ing the solution of spools or an find a collection of spools or thread, crobet-medles, thimbles, tooth-brushes, or boxes of pills or thread, crobet-medles, thimbles, town-brushes, or boxes of pills or the sideboard and kitchen has been stiff or which no place is strue that. One houses are ally lacking in closes, shelves, cup-based and storecom specific pace, but all to the track of the possible use. The holes through the strue that one houses are basket on and storecom specific pace the specific too arrow and shallow to be of the bask possible use. The holes through

Wim. Hund, in The Connotion Horticulturist Any aspect father than a direct south aspect, is best for a window box, a north or east aspect being the best. If the windows face the south, the box should be shaded by an awn-ing for a few hours in the hottest part of the day. In a window facing the south and fully exposed to the direct and concentrated heat of the sun against the building the sureage nart and concentrated neat of the sun against the building the greater part of the day, it is impossible to have complete success with a window box, even if filled with the hardiest sun-resisting decorative plants.

resisting decorative plants. POT PLANTS IN BOXES Plant lovers, especially in cities and towns, are often at a loss to know what best to do with house and window plants in summer, having no space out-of-doors, perhaps, to stand the plants in the shade for a change and rest. By placing the box outside and rest. By placing the box outside of an east, north or west window, standing the pots in the box farmag-ing the plants properly to box farmag-packing moss around them, alect) and packing moss around them, alect) and house and window plants can be very much improved in appearance, with little care and attention. The moss prevents a too rapid evaporation and keens the roots of the plants cool moss prevents a too rapid evaporation and keeps the roots of the plants cool and moist. Common moss from the bush or sphagnum moss can be used for this purpose. This is a much better plan than standing the pots on window sills and ernoad versandabe. better plan than standing the pots on window sills and exposed verandahs, where the sun and wind compels constant and copious waterings, the plants oftentimes suffering badly even when attended to regularly, in the matter of watering.

#### VERANDA BOXES

# DINNER SET FREE



really neat housekeeper will usually manage to provide places for every-day things, even without such conven-iences harving been put in when the bouse was constructed. Window Boxes Wind serve the moisture in the soil and pre-vents a too rapid evaporation. Plants succeed better in wire baskets than in earthenware ones and should be more used than they are if only for this reason.

...

When putting away woollen clothes dress carefully in a separate news-paper. If moths should get into the closet or trunk where the clothes are put away, the papers will protect the garments from being eaten.



hand or foot, or both - while you are sitting in a chair. Easier than a sewing machine. Steel roller bearings and other improvements make it the ideal churn for farm and dairy. 8 sizes, to churn from ½ to 30 gallons of cream.

### "Puritan" Reacting Washing Machine

Improved Roller Gear covered - are only two of its many improvements. Beau-tifully finished in Oak, Royal Bise or Wine Color, and Bilver Aluminum. Write for booklet about these universal favorites, if er dealer de





#### Farm House Design

The average farm home should be well-arranged, thoroughly comfortable, moderate in price and of pleasing exterior. In the house illustrated, an ndeavor has been made to provide all

VERANDAR

TERRACE

these requirements. A roomy veranda, suppor-ted by brick pillars, has been placed at the side of the house.

From this doorway is a hall 14½ x 10 ft. There is one stairway, which can be reached from the kitchen with-out passing through rest of the house. Op-posite the front door is a large coat-closet. At the right connected by sliding doors, is the living-room, 15 x 12 ft. The dining-room is of

the same dimensions as the living-room, and also lighted from two sides, opens from the living-room, and has no other entrance, exhas cept from the serving-

pantry. The kitchen occupies the balance of the space

The kitchen occupies the balance of the space in the main part of the ground floor. It is J5 x 10 ft. A closet is provided for the storing of pots and pans, which so frequently make of the store the store the re-verse, and in the patter the re-verse, and in the patter the re-verse, and in the patter the re-voluti-nil cupboards for china and stores. The stairs to the cellar, under the main stairs, are conveniently close to the kitchen and side entrance. A feature, which the house-wife at least will appreciate, is the placing of a pantry between the kitchen and the dining room, and an entry between the kitchen and the main-hall, making it also the rear of the house in a base is then rear of the house in a base is the rear of the house in a base is the rear Marking the start indispensable in a farm home.

SECOND FLOOR PLAN On the second floor, there are four bedrooms, each with abundance of

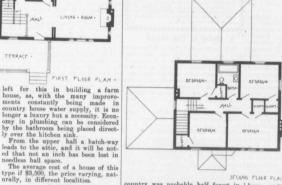


DINING . ROAN .

plant trees ourselves, because our country requires them. There is urgent need that trees be planted not only because our where trees will grow, but where other crops will not grow at all or will not grow profitably.

grow profitably. This young nation has felt so sure of the boundlessness of that large part of its own strength which lies in the forest, that for several years we have goins on using it up. Now it is be-ginning to see that there will soon be as end to it unless it is used wisely. If we had no timber, our condition would be more dreadful than if we had no coal. We would neither be happy

other



country was probably half forest in been waiting stead of about one-fourth forest, as now. East of the Mississippi River it was all forest.

Then the country supported only few hundred thousand Indians. Now Tow hundred thousand Indians. Now it probably supports more Indians than it did then, and eighty-odd mil-lion other people as well. The early settlers, who fought the Indians as well as the hardship, the loneliness and the strange conditions of a new country with a retireme and and the strange conditions of a new country with a patience and courage which we should never forget, had to fight the forest as well. They drove it back from the fertile valleys with the ax and with fire, and farms took its place. And that was necessary and it was right, because land which will grow food profitably has no busines: under trees.

under trees And so it went on, until the time

has come when every man can see that our forests are going fast, and that if | Dairy. April 29, 1909.

we do not take care of those which are left we shall soon be without forests enough to produce what timber we need. That is where we stand to-day. Many people realize that something must be done, but only a few have begun to do it.

### ...

### The Handy Oil Can

The Handy Uni Can If the bed springs squeak, try a drop or two of oil at every point where they meet, or wipe the springs all over with an oiled sponge and let them stand for several hours, then wipe with a piece of cloth, and they will not stain the mattress, yet the squeak will have disappared. A drop or two of oil applied to the extreme edge of the crank where it is screwed into the socket, will make the meat chopper turn more easily; and if an egg beater becomes difficult and if an egg point of the little wheel

It we man no short, then if we had let them stand for several hours, then would be more dreadful than if we had let them stand for several hours, then would be more dreadful than if we had let them stand for several hours, then will not stain the mattress, yet the squeak will have disappeard. A drop or two disappeard. A drop or the socket, will make country should be covered with trees. This does not mean that all our is screwed into socket, will make country should be covered with trees. the meat chopper turn more easily we need trees only in their right to use, a drop of oil on the little wheel place. Before Columbus landed, this to use, a drop of oil or the little wheel will overcome the diffi-

Casters and runners sometimes make an un-pleasant noise when pleasant noise when they might easily be taken out, oiled and put back again inside of a few moments; and because there are so many little uses for the oil-can, it should always stand ready fil-led on a small should when always stand ready hi-led on a small shelf in the kithcen; if kept always in the same place, even though it place, even though it be kept in the machine drawer, or in the tool box, it can always be seded; not the least easily of its uses will be dis-covered when a clock becomes refractory, and does not keep time refuses to run at all.

HOW TO OIL A CLOCK SECOND FLOOR PLAN Such a clock had on the kitchen ome one had time been waiting on the kitchen shelf until some one had time to take it out to the clock mend-er's, or until "himself" found time to look it over and find out where the difficulty lay. A piece of absor-bent cotton was moistened with kero-sene and placed in the bottom of the clock just beneath the pendulum, and the clock was then put back in its customary place and care was used to set it perfectly level on the shelf. In a few days the absorbent cotton wa-black, and the clock was then yound up, the hands set at the right time, and lo, it has run ever since, with no up, the hands set at the fight and lo, it has run ever since, with no tinkering at all, and merely the usual

#### ...

Our 95 piece dinner set, given away free, for a club of nine new yearly subscriptions to Farm and Dairy. Start a club at once.



April 29

#### Réééééééé OUR \*\*\*\*\*\*\*\*\*\*\* HOUSEW The farmer

works hard h and shamed if that is if s home, and ws neither grieve her work mor does, inside t paid for it. as he can aff woman to do board and l what is equal to a week, according never thinks t orth exactly did it better. keep a wife, o pay her. A we est servant in a slave, becau and wasteful.-

THE FARM

One of our occasion recen portion of the He had heard away beh were were away beh turally speakin ment he found up-to-date farn of Ontario. Su ried back to O which he put in farm

Another case write, that of in Prince Edw never been to young man the on the Island wa line of farming oats and potate improved on through the sist him that he ha that he was or success were to land.

On his return some registered the nucleus of young man is for is an object less to "go and do The holiday set

that of recuper and education. tunity open to f formation that w practice. Reading

The effe

terially i nishes. house w SHE BR Perhaps the painted, of things like these these things like these S-W. Bri include a paint enamel finish side the house. Williams deale to finish and h Brighten Up adapted for yo for booklet, B-

THE SHERWI LARGEST PAI

It is desirable to m

More bread and Better bread -And the Reason for it STRONG FLOUR can only Of course this special process is

A be made from strong wheat. Manitoba hard wheat is acknowledged the strongest in the worldand that is the kind used for Purity Flour.

But that's not all. Every grain of this wheat contains both highgrade and low-grade properties. In separating the high-grade parts from the low-grade the Western Canada Flour Mills put the hard wheat through a process so exacting that not a single low-grade part has the remotest chance of getting in with the high-grade.

more expensive to operate but it means a lot to Purity flour usersthat's why we use it.

....

What Arbor Day Means

The conviction which Arbor day carries with it is not merely that trees

should be planted, but that we should

It means that Purity Flour is made entirely of the highest-grade flour parts of the strongest wheat in the world.

It means a high-class, strong flour and therefore yields "more bread and better bread."

Purity may cost a little more than some flours, but results prove it the cheapest and most economical after all.



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# OUR HOME CLUB barrow "These are my sentiments." HOUSEWIFE'S ALLOWANCE

HOUSEWIPE'S ALLOWANCE The farmer or tradesman, who works hard himself, would be grieved and shamed if his wife "had to work," that is if she worked outside her home, and was paid for it; but he is neither grieved nor shamed to have her work more hours a day than he des, inside the house, without being paid for it. He is willing, as soon soon and adford it, to hire another what is equal off, and is work, paying her, in hourd and diging as well as money, what is equal that has hire is to ten dollars a week, according to be able to be able work that has his wife's labor was worth exactly that—and more, if able never thinks that his wife's labor was worth exactly that—and more, if she did it better. He can "afford" to keep a wife, only because he does not pay her. A working wife is the chap-est servant in the world, cheaper than a slave, because slaves are careless and wasteful.—"The Daughter."

### THE FARMER AND HOLIDAYS

One of our Ontario farmers, had One of our Ontario farmers, had occasion recently to visit a certain portion of the old province of Quebec. He had heard that the "Quebecers" were away behind the times, agricul-turally speaking, but to his amaze-ment he found as fine farms and as up-to-date farming as in any part of Ontario. Suffice it to say, he car-ried back to Ontario some new ideas which he put into practice on his own which he put into practice on his own farm

Another case comes to my mind as I write, that of a young farmer down in Prince Edward land, who had never been to the usind, who had young man thought that ever, this young man thought that ever, this young man thought that ever, this on the Jaland was perfection and thus, ine of farming, the growing of hay, oats and potatoes for sale, could not be improved on. A two weeks' trip through the sister provinces convinced him that he had something to learn, that he was on the wrong track if success were to be obtained on the land. Another case comes to my mind as I

and. On his return home he purchased ome registered dairy stock to form the nucleus of a hard. To-day this young man is forging to "To-day this young man is forging to "to-day to "go and do likewise." seeily bors, to "go and do likewise." The holiday serves a double purpose, that of recuperation and recreation and education. There is an oppor-tunity open to fill the mind with in-formation that will be helpful in farm practice. Reading is all right, do all

HOLIDAYS AGAIN

HOLDAYS AGAIN While I believe that everybody should have time for rest and recre-ation, I do not think that the used it of vacations for farmers a sugar trouble any person. He has rest enough during the winter months and recreation enough sometimes in watching the bired man do the chores and chop wood. I know that many farmers do their share of the work, but the old man that I work for is the old man that I work for is the old man that I work for is one of the source of the work, but the old man that I work for is the old man that I work for is the old man that I work for is the old the source of the source of the source of the source of the person of for a vacation by these are so few that they can but these are so few that they can but these are of themselves. The fact is that one t farmers have plenty of time on their hands during winter to give

their hands during winter to give 

#### ... **Our Motto Contest**

Our Motto Contest In the January 21 issue of Farm and Dairy we asked readers of the Household Department to send us on a post aard their best mottoes, for use in Farm and Dairy. We an-issue of the set of the set mottoes received ware sent us by Mrs. Frank Webster, of Victoria Co., Ont. We shall mark up Mrs. Webster's sub-sortigition for nine month, as per our our set of the set of the set of the selections at the beginning of the Household Department, in early issues of Farm and Dairy.

#### ...

### To Cleanse Bacon Fat

Take as much cold water as fat, put it into a granite pan, let it come to the boil, then set saide, and when cool remove, then set saide, and when cool remove that. Repeat this process, using fresh water cach time, three or four times or until the water is clear. You will find the fat free from sait or smoke and it can be used the same as lard for cooking.

### ... Have you forgotten to renew your subscription to Farm and Dairy?

The effectiveness of housecleaning can be materially increased by the use of paints and varnishes. Your work will show results, the house will not only be cleaner but look cleaner.



Perhaps there is a chair or two that should be varalshed, some shelving to be painted, or a floor with worn spots that needs refinishing. It's the small things like these that in the aggregate make a house "spick and span and homey."



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

# THE COOK'S CORNER

Send in your favorite recipes, for publication in this column. Inquiries will be replicited to ma see solicited, and will be replicit to many send the solicited and after receipt of same. Our Cook Book sent free for two new year(; subscrip-ter two new year), subscrip-book attion; this paper Send in your favorite recipes, for publication in this column. Inquiries will be replied to, for are solicited, and after receipt of same. Our Cook Book in the solicit of same. Our Cook Book in the solicit of same. Our Cook Book in the solicit of the solicit of the hold & diffort for the solicit hold & diffort the solicit

CREAM SAUCE

Mix one cupful of cream and cup-ful of powdered sugar. Flavor with one teaspoonful of lemon or vanila. Beat it until light, and serve it on a pudding eaten with sugar and

NUT BREAM Into the sponge of two loaves of bread stir one large cupful of chop-ped wainut meats, mix real hard and treat i as you would ordinary bread dough. When cold, out in thin slices, butter and press together.

BARED BANANAS Remove one-fourth of skin of ban-anas. Bake in oven till skins are discolored and soft. Remove from skins and pour over them a sauce made of melted currant jelly, to which has been added a piece of butter and scratine of nutmae.

has been added a piece of butter and a grating of nutmag. HABBIAGO CAKE One cupful of butter, one cupful of sugar, one cupful of molasses, one cupful of the start of the second of stoned raising (or less if desired), one teas-poonful each of cloves, cinnamon and nutmeg, one teaspoonful of soda. COCONUT BAB

COCOANUT BARS Place in the kettle one cup of maple

Place in the kettle one cup of maple syrup and the kettle one cup of maple syrup and a tablespoonful of butter. When it begins and strain and a grated cocoant and strain and a strain of platter, and, when cool enough, cut or platter, and, when cool enough, cut or many squares and wrap in parafine paper. <u>MARSIMALLOW FUDDING</u> Make a lemon jelly. Put a layor of aliced marshmallows in the bottom of the mould, and when the jelly has begun to set, spread a little over them. Continue with jelly and marshmallows

Continue with jelly and marshmallows until the mould is full and put away to harden. Serve with whipped cream.

Cream. ROAST BEEF LEPT-OVERS Chop the beef somewhat coarsely, put into a baking-dish and pour over it the gravy (seasoned with a bit of onion juice, a dash of Worestershire sauce), mash potato, season and moistic, mash potato, season and sauce), mash potato, season and moisten with milk, stir into it a beat-en egg, spread in over beef, put in oven twenty minutes.

Nexts canage BAKED canage Soak cabbage one hour in cold water, then holl 10 minutes, after cutting in good-sized pieces. Place in a baking-dish and cover with one tablesponful of butter, one cupful of milk. Sait and repper to taste. Cover with breadcrumbs and bake one hour.

1007 CAKES Very good and quickly made hot cakes are prepared by beating one egg very light, stirring in your of flour, half a cupful of military two tablesponfuls of sugar, beating brickly till light and then stirring in quickly a good teaspoorfiel of baking powder. Bake in muffin tine for 20 minutes in a quick oven. This will be enough for half a dozen muffins.

Have you forgotten to renew your subscription to Farm and Dairy?

Should the milk want to curdle when boiling it for frosting or filling, throw in a pinch of soda at once, and it will make it nice and smooth.

FOUNTAIN PEN FREE FOUNTAIN PEN FREE A 14 kt. Cold Fountain Pen will be given to any person who secures only one new subscription for Farm and Dairy. These pens are guaranteed attack as a sometimes the ball ion rings, such as sometimes come off the hub of cart wheels, may be used instead of tripod for slightly rating the preserving kettles from the hot stove or range.



4

SEMI-FITTED COAT 6289

The cutaway coat is one that is al-ways liked for the spring, and one that is pretty and becomis. D

Material required Material required for medium size is  $5\frac{1}{2}$  yds 27, 3 yds 44, or 22<sup>4</sup>, yds 52 in wide to make as il-lustrated, 4<sup>1</sup>/<sub>2</sub> yds 27, 2<sup>4</sup>/<sub>2</sub> yds 44 or 2<sup>2</sup>/<sub>4</sub> yds 52 in wide for shorter length, with  $\frac{1}{2}$  yds to satin for bands. The pattern is cost

bands. The pattern is cut for a 34, 36, 38, 49 and 42 in bust and will be mailed to any address on re-ceipt of 10 cts.

TUCKED BLOUSE 6285

n

-44

BLOUSE 625. The dressy blouse that can be closed at the front is attrac-tive. But it is adapt-ed to every season-odd matsing, to the goven, and is to the ingly charming apart chosen. The lines are of the elevens are of the elevens are of the decoming, priety and becoming, priety and becoming on the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are of the decoming of the second of the elevens are second of t

Material required for medium size is by respectively and the respective wide with %, rd of bandin 2%, in vide edging to make as illustrated The pattern is cut for a 2%, 4% 2%, 2% and 4% rds of the insertion the insertion is cut for a 2%, 4% 2%, 2% and 4% in bust and will be mailed on re-spice (d) of a day.

GIRL'S YOKE APRON 6283

The apron that is simple and protectve is the one that fills the important prac-tical need and this one is full enough to be utilized in place of the frock, as well as over one. The be utilized in passes of the frock, as well as over one. The either with or with-out a belt but when that feature is util-ised it is confined as that feature required for medium size (10 Material required for medium size (10 Material required for size 32, yiels 80 The pattern is cut for girls of 6, 8, 10 The pattern is cut for arise of 6, 8, 10 the mailed on receipt (A)

The house jacket loose at the front, and half fitted at the

and haif fited at the back is a becoming one, and this model suits gittlish figures.
 Matriy Will.
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 To the for raise is full to for the for raise is diring and the form of the second will yet of the second will yet of the second will be second will of the second will be second will of the second will be second will be second will of the second will be second will be



#### What Ayrshires are Doing at **Canadian Institutions**

Calladian institutions W. F. Stephen, Sec.-Treas. C.A.B.A. A short time ago I wrote the Pro-fessors of Animal Husbandry at the three Canadian Agricultural Colleg-es for records of the Ayrshires kept on the College farms. AT GURLER,

AT GUELPH. At the Gueph College Farm, Prof. G. E. Day reports records in pro-gress and gives the results of test of "Denty 10th, of Auchenbrain" (imp.) 24739 since freshening as fol-

September, 1301 lbs. of milk, test-

September, 1301 lbs. of milk, test-ing 5.6 per cent. fat. October, 1200 lbs. of milk, testing 5.3 per cent. fat. November, 977 lbs. of milk, testing 5.4 per cent. fat. December, 917 lbs. of milk, testing 5.4 per cent. fat.

January, 942 lbs. of milk, testing

4.8 per cent. 8 per cent. fat. Totals, 5,337 lbs. milk, and 281.97 lbs. fat.

108. 1at. This cow consumed during this per-iod feed to the value of \$22.58. Ea-timating the value of this milk at \$1.25 per ewt. would give us \$66,71 Deducting the cost of feed there would be left a net profit of \$44.13 for these five months

Later, Prof. Day quotes me the re-cords available of three Ayrshire cows as follows :

as follows: May Queen 2nd -25321-, gave 8,029 lbs. milk testing 3.75 per cent. fat. Minnie of Elm Shade -18883-, gave 8,515 lbs. milk testing 3.7 per cent.

Lady Nancie 2nd -13330-, gave 9,144 lbs. milk, testing 3.8 per cent. fat

The other Ayrshire cows in the herd had not completed a full period of lactation since they had been in the possession of the College. AT TRURO

At the Truro Agricultural College, SECURE THIS NEW BOOK

ENTITLED

SWINE IN AMERICA

### FARM AND DAIRY

April 22, 1909.

April 2



Toronto, Ma al trade shot the pace is ing concerns of them are ume of trade ing still out will soon op be given to a conditions in confidence in er is delayin far no serior far no serior this delay. M all legitimate curity can ge rates, which ago.

Speculators it this week, prices at Chic on paper. Wi wheat specula little sympath the ups and d ket has so lit trade in when some weeks pr and Winnipeg the slump, by and other E steady and ru week. The st Department of in March 143. March 143. farmers' hand served to allay somewhat. The claimed, have claimed, have out of their M Patten has sin cash wheat will and that wheat so it goes. A trade has held trade has held indicate a stroy quite independent rumors. The 1 ing an increas therefore, 1909 plenty of when however, that tained for a ti around the dol While there see around the dol While there see present needs, than it has be season. The wheat has been it downs class little doing ow tions for all gi-changed. A sl cently been m market, howev somewhat by prices are not prices are not quote Ontario side, Winnipeg for May, \$1.20% October. On fall wheat sell goose at \$1.09 to COA

The oat mari change in value ed in Montreal ed in Montreal here quote out Prices on the 1 49c to 50c a bus quiet also. Ma Montreal at 66c 59½c to 60c. De 56c to 65c outsid at 96c to 96½c. farmers' market 95c to \$1 a bus

There is not : trade. Last wee

Mill feeds rule plies. The dem off somewhat at At Montreal Ma \$22 to \$23 and ton in car lots here quote Man and shorts at \$22 at \$24 and short on track Toron at \$24 and short on track Toron market has bee situation there the week there has not so far i here which is h American corn i at 77c to 78c in at 73c to 79c a at 73c to 74c a t

record this year. We have one Ayr-abire cow that is giving 57 pounds of milk a day, testing 5.1 per cent. (A week later this cow was giving 65 pounds of milk a day.) Last year this cow gave over 11,000 pounds of milk. I anticipate that she will give about 12,000 pounds this year, so ahe is likely the make a phenomenous she is likely to make a phenomenal record. From the report of Prof. Cumming just received I notice the following records of Ayrshires for

1908.

1908. Arabire No. 1 in one month 1235 Ibs. milk, in 11 months 10,214 lbs., testing 4 per cent. fat. Ayrabire No. 3--best month, 1148 Ibs. milk, within the year 9831 lbs. testing 4.1 per cent. fat. Ayrabire No. 3--best month 1482 Ibs. milk, within the year 10050 lbs. Ayabire No. 4-best month, 1600 lbs. milk, within the year 10051 lbs., testing 8.7 per cent. fat. Ayrabire No. 6 and a short lacta-tion period, there being scarcely 11 months between the freshening per-iods. In he best month she gave tion period, there being sourcey 11 months between the freshening per-iods. In her best month she gave 1263 lbs. milk, within nine months, 7,373 lbs. milk testing nearly 4 per cent. fat milk, within nine months, 7,373 lbs. milk testing nearly 4 per cent. fat.

AT MACDONALD COLLEGE.

sor Arkell gives me the following records of their Ayrshires :

YEARLY RECORDS OF MATURE COWS. Primrose -11740-, 9,945 lbs. milk,

437 lbs. butter. Bluebell 1st. of Hillhouse (imp), -12287-, 9,490 lbs. milk, 450 lbs. but-

ter. White Prim of St. Anne -13145-, 9,450 lbs. milk, 378 lbs. butter. Favorite of Auchenbrain, (imp), -16727-, 9,650 lbs. milk, 430 lbs. but-

Floras Lady (imp) -12280-, 9,100
Ibs. milk, 376 lbs. butter.
White Rose of Fairfield Mains, (imp) -12285-, 9037 lbs. milk, 340 lbs.

White Pearl of St. Anne (imp in dam) -25684-, 8,938 lbs. milk, 333 lbs.

White Craig 2nd of Auchenbrain, mp) -16717-, 8,789 lbs. milk, 397 (imp)

(Imp) -16717-, 8,789 lbs. milk, 397
 lbs. butter.
 Howie's Maud S, 2nd (imp) -16722-8,504 lbs. milk, 368 lbs. butter.
 Wexford Blood (imp) -16720-, 8,735
 lbs. milk, 445 lbs. butter.

10s. milk, 445 lbs. butter. MONTHLE RECORDS OF MATURE COWS Kirsty Wallace of Auchenbrain (imp) -8301, 14 years old, 1,252 lbs. milk, 45 lbs. butter Mayflower 4th of Barcheskie (imp) -12290, 13 years old, 1290 lbs. milk, 58 lbs. butter.

Primrose -11740-, 1,762 lbs. milk, 77

Ibs. butter.

White Rose of Fairfield Mains (imp) -12285-, 1,550 lbs. milk, 50 lbs. butter.

Blue Bell 1st of Hillhouse (imp) -12287-, 1,751 lbs. milk, 75 lbs. butter.

YEARLY RECORDS OF HEIFERS

TRAMUT RECOMES OF INTERES FIRST VIAN IN MILE. Ploras Lady of St. Anne -222909. Stdl 1bs. milk, 402 lbs. butter. Auntie Katie of St. Anne -22141. S,669 lbs. milk, 448 lbs. butter. Twin Lady Prim of St. Anne -22145. 14 months, 9,502 lbs. milk, 455 lbs. butter. Lady Maud of St. Anne -22,150. 7,341 lbs. milk, 363 lbs. butter. Twin Lady Primrose of St. Anne -22149. 7,167 lbs. milk, 306 lbs. but-ter.

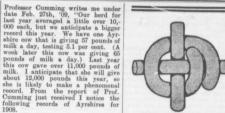
ter. Bluebell 3rd of St. Anne -22143-, 7,105 lbs. milk, 383 lbs. butter. White Rose 2nd of St. Anne -25927-, 6,870 lbs. milk, 309 lbs. but-

will appreciate.

(Continued next week.)

ter.

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# your head out of door and you meet a Fence Agent. The Lock that makes "Page Fences Wear Beg."

They all have the "Best," the "Guaranteed-to-give satisfaction" kind, etc., so that the only practical

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That booklet-it is really a practical text-book on the fence question. Every farmer or property owner ought to have it. Formerly had a big sale at ten cents per copy, but as the Page Wire Fence Co., Limited, have acquired the copyright, they mail it free to enquirers. Send for it to-day.

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#### MARKET REVIEW AND FORECAST 98.1

Toronto, Monday, April 26, 1920. – Gener-al trade shows some innovoment though ing concerns are fairly low. Manufactur-ing concerns are fairly low. Manufactur-ing atill out of work. Bits an avigation ing atill out of work. Bits an avigation of them are not up to their normal voi-me green open up a frosh inpetus with the green open up a frosh inpetus with conditions in the west is respected from far no serious effects are expected from far up are and the withing gods eurity can get all they mishing gods eurity can get all they mishing gods and the supply of this quality is not end at such on strack three. The seems to be a plentiful supply of the boorer greachs here but to quality is not end at the supply of this quality is not end at the supply of this quality is not of solid to still do the supply of the poore greachs here but to quality is not of solid to still do the supply of the solid the supply of this quality is not failed they are solid to still be a the of the supply of the poore greachs here but to quality is not failed they are solid to still the supply of the poore greachs here but to the supply of the poore greachs here but to the supply of this quality is not failed they are balled hay is to system for the supply of this quality is not failed they in the ont of the ont on three.

#### WHEAT

The second se

#### COARSE GRAINS

COARSE GRAINS The oat market rule quitte with little change in values. Ontario cats are quot-ed in Montreal at de to 6%, c. Dealers here quote oats at 4% to 6% outside. Prices on the farmers' market here are de to 86e a bush. The barley market is quitte also. Autilite barley is quoted at which also duiting barley is quoted at the to 6% of the set of 6% and feed barley at bio to 5% outside as to quitte and peas at 5% to 6% to 6% outside at 5% outside and at 9% to 6% outside as to quitte and peas at 5% to 8 a bush. "

#### SEEDS

There is not much doing in seeds, the seedsmen being supplied for this season's trade. Last week's quotations hold good.

#### FEEDS

FEDS Mill feeds rale from owing to light supplies. The demand, however, is falling off somewhat and prices are no higher. At Montreal Manitoba bran is groted at S21 o 53 and shorts at 54,04 to 55 a kere growther and the state of the second term of the second second second second at 854 and shorts at 55 a ton is car lots on track Toronto. The American corn market has been affected by the wheat man fall and shorts at 55 a ton is car lots on track Toronto. The American sorts market has been affected by the wheat has not so far affected the price of corn here which higher than a week ago. American corn being quoted at Montreal at 76 to 76 to text lots there, and here at 76 to 76 a bush in car lots on track

normation is oring rought at these prices. The FAY AND STRAW There is a searcity of the better grades of hay and prices for this quality are of bained hay isonireal No 1 and 2 grades of bained hay isonireal No 1 and 2 grades of bained hay isonireal No 1, at 20 to 10 m ruling as follows: No 1, st220 to 10 m ruling as follows: No 1, st220 to 10 m ruling as follows: No 1, st220 to 10 m ruling and sho 89; and clover 87:00 the poorer grades here baint and sto 87:00 m out equal to the demand. Baled hay is unoted at \$0.00 to 10 m rules and \$10 87:00 m one to caul to the demand \$10 87:00 m to nor bain degrades and \$10 87:00 m to nor bain degrades and \$10 87:00 m to nor bain degrades and \$10 87:00 m to nor bain way is coming in . Loose tim-ta \$10 85 at 00. Siz straw in bundles at \$21 0 \$32.00 and here straw at \$7 to 85 at on. PORTORS AND BEANS

#### POTATOES AND BEANS

POTATOES AND DEANS The potto market is higher than a week sho though the withdrawal of many American buyers from the market during the week will likely prevent prices from going any higher. At Montreal car loss there as the there are the state of the state there as the thick and lower has a state there as the thick and lower has a state in good supply here, though there though the state of the state on the state and the state of the state on the state and belawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$5c and Delawares at \$10 to \$15 \$0 to \$15 a Delawares at \$10 to \$15 \$0 to \$15 a Delawares at \$10 to \$15 \$0 to \$15 a Delawares at \$10 to \$15 \$0 to \$15 a Delawares \$15 b Delawares \$15 \$0 to \$15 a Delawares \$15 b Delawares \$15 b Delawares \$15 b Delawares \$15 b Delaware

forono farmers' market potatees sell at Soc to \$1.10 a bag. There is no change in the bean market, and prices rule at last week's quotations. Continued light offerings from week's quotations heams here here market strong. Austrian been sold to arrive in Mon-treal at \$1.87 a bush in round lots.

### EGGS AND POULTRY

at like to 19e a dozen in case iots. On Toronto firmers' market eggs sell at 21c to 22c a dozen and poultry at 20c to 22c for dressed chickens and 16c to 17c a 1b for fowl; year old chickens are quoted in a jobbing way here at 18c; old fowl at 12c, and turkeys at 18c to 20c a 1b alive. MAPLE PRODUCTS

MAPLE PRODUCTS Maple products of this year's make are now offering freely. At Montreal new role is quoted at 50% alb in wood and year at 6% to 7 to in pound blocks and 6 a b in mixed sizes. New maple syrup solls here at 56c to 81 per imperial gal-lon.

#### DAIRY PRODUCTS

The make of April cheese so far this season is larger than last year. Up to the middle of the week receipts of April cheese at Montreal totalled 2821 boxes as compared with 1867 boxes for the same

cheese at Montreal totalide 221 boxes as compared with 1867 boxes for the same period list year. April cheese sold in the period list year. April cheese sold in the the week at 18 to 12% of recolored and 13% to 11% for white. Colored cheese is still very scares and sells at consider-able premium on white. Some parties in to Toronto at the end of the week re-ported pastures as being green in appear-ance for this season and predicted that cows would be on grass much ariter than the in prospect and some in the trade arc locking for lower prices this season than last. Bright buyers, it is claimed, would sooner dispuse with the trade alcogedi-prices of larg year. However, time will tell. Dealers here quote old cheese to the trade at 14 to 14% of or large and 14% to 15% for the dealer you by the trade alco to 14% of the tarks and to 18 the other you to the tarks are so the trade at 14 to 14% of the tarks and 25 to 15% for its the or source you there market shows some

The creamery butter market shows some improvement though general prices have not advanced any. There is a larger make of new milk creamery than was ex-

pected owing to the low prices. The Quebec creameries stick to butter and turning out large quantities for this area son. A week ago creamery butter cold at Gownawille at 23%. At Montreal new milk creamery is quoted at 22 to 25% and old stock at 396 to 26 as h. Local for choice quotations here are 256 to 266 for solids; it to 20 for ordinary; ife dairy prints; iTo to 20 for ordinary; ife dairy for tubs and large rolls, and He to 156 a 1b for inferior grades. On Toronto farmer's market choice dairy sells at 22 to 25° and ordinary at 20 to 25° as h.

#### HORSE MARKET.

HORSE MARKET. The trade in horms outlines active, though the bad weather during the second active inquiry for draft horses and breed-ing marcs. Three have been some extra fine draft horses at the Union Stock Yards of lats. Last weeks a few top-nothers of lats. Last weeks a few top-nothers to some other than the second second stop of horses, guaranteed sound, and good to work, quotations lats weeks were to work quotations lats weeks to work, quotations last week were as follows: Heavy draft, \$160 to \$200; gen-eral purpose, \$130 to \$160; express and wagon horses, \$160 to \$190 and drivers, \$100 to \$150 each. Serviceably sound horses of all kinds, sold at \$30 to 80 each.

### UNION STOCK YARDS PRICES

UNION STOCK VARDS PRICES West Toront, Monday April 38,-There was a light run at the April 38,-There the morning, only 30 cars in all, made up of 60 cattle, 2 sheep, 50 hogs and 25 catter. There was nothing unable to get space on occar where unable to get space on occar where and seller being apart. The best butchers' were quited at \$15 to \$3.0 a cars. Prices for were plentiful and of rather poor quali-ty: choice quality would bring \$5.0 a with land and there poor quali-ty. Choice quality would bring \$5.0 a with land and the sto \$4.0 million to contry points and \$7.0 for data water-at country points and \$7.0 for data water-ed on the market here.-J, W. W. LIVE STOCK

LIVE STOCK

LIVE STOCK The live stock markets have relied steady all week and prices have been well the stock of the stock of the stock of the week. The quality states and of the week. The quality states and of the week the stock of the stock of the offering shows no improvement over what has been coming for some time. There are too many unfinished cattle in comparison with the small number of good to choice offering. This condition is the market were the grass cattle are co-mon the market were the stock of the money in poches if the however, would be money in poches if the however, would be to be market were now. A couple of holic longer on good feed would add lies to file a cwt, to their value. The export trade has ruled steady all week and prices have been well maintains

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the best, which every satis feeder should a lith better trads in feeders and school ers is reported, there heing mers sequences from farmers and country feeders. They have been been been been been been been is a little higher range of values. The have been been been been been been been to so its second be and be ach, are to so its and be ach, six of the been been ers, 400 to 700 he mach, 81 to 850 a cert of the moderate delivery and been are so that the moderate delivery and been and apringers has rules for milds cows and springers has rules for milds cows and some Montral buyers were on the market and secured two carloads. Prices rule at form \$20 to \$30 each, with a Receipts of val calves have been jib-

Receipts of veal calves have been lib-

necempts of yeal caives have been lib-eral with the quality of many not of the best. On Thursday caives sold at \$5 to \$5.9 a cwt. The top price is cosiderably lower than that of a few weeks ago. At Buffalo yeal caives are quoted at \$6 to \$7.50 a cwt.



#### VENTILATION For Dwellings, Rural Schools and Stables By Prof. F. H. KING

by Fret. F. H. KING This is a new book disured December 1968, which treats in a concise, practiced way, the question of Ventilation in all its details. It shows the necessity of the book is profully have to ventilate. The book is profully have to ventilate drawings never before used. Special chapters are given on the ventilation of houses, bold new and those already built, school - houses and citation of rural school - houses, and citation of rural school - houses, etc. Send for a copy. a copy.

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Todae light receipts sheep and lamb frices have ruled steady. Ewes sold on the state of the state of the sold on the state strain fold of the sold on the state strain fold of the sold on the state strain fold of the sold of the state state strain fold of the sold state the sold active at \$4.50 to \$4.75 are wt. The so

#### PETERBORO HOG MARKET

PETERBORO MOG MARKET Peterboro, April 26, 1990. Danish hoge delivered on the English market last week itolalied 430%. The demand in the old market are heavier there on the local market are heavier there on the local market are heavier there are the following prices for ahipments this week: following prices for ahipments this week; for a cwt; weighed and the set of the set of the set of the set of the following prices for ahipments this week; following prices for ahipments this week; following prices for ahipments the set of the following prices for a set of the set of the set of the following prices for a set of the set of th

#### MONTREAL HOG MARKET

MONTREAL HOG MARKET Montreal, Saturdar, April 64-The mar-ket for live hogs this week has been steady with prices well maintained, se-ceipts have been comparatively light, and have met with a good demand, selected selling freely at \$8.15 a cwt, weighed off cars, sows being picked up at hout \$1 a cwt less. Dealers are hoping for larger receipts and lower prices but there is no immediate prospect of their hopes being realized. alized. There is a fair demand for dressed hogs

with with quotations of fresh killed abattoir stock firm at \$11 to \$11.25 a cwt. The high price, however, is stopping the trade.



WANTED-If you want to sell property which you own the U.S. or Can-ada, such as a FARM or a busine If you want the us, stating what a you FREE out what wou FREE out o buy property of a shat and where you our magazine of ch BUY American Investment Association A SELL

### HOLSTEINS

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My present offering is a few Royal Bred young Holatein Bulls, from two to six weeks old. They will be sold cheap for the next thirty days. Write for prices. Ad-dress, E-5-50 Gordon H. Manhard, Manhard, Ont.

HILTON STOCK FARM R. O. MORROW & SON, HILTON, Ort. Breeders of Bolsteins, Tamwortha, and Ootawolds. Present offerings, 3 young bulls, boars fit for service, sows bred. Also young pigs, all choles/bred. 10:11-000 freppinos connection. Brighton, G. T. R.



Head your Head with a son of dam was recently mid for \$2,000 the hours each the son of the son of the hours each the son of the son the hours each the son of the son the hours each the son of the ball and a number of Heiders for sale. e-1471 BROWN SIGS, LVN, OHT.

#### SPRINGBROOK HOLSTEINS AND TAMWORTHS

AND TAMWWONTHS 32 Choice Young Tanworths, from im-ported sows and sired by imported Knowel King David. A few rich bred Holstein buils and several females. Bargains to quick buyers. A O HALLMAN.

A. C. HALLMAN. B-5-11-09 Breslau, Ont.

SUNNYDALE

BURN TOALE Has just completed official 7 day butter re-ords for four young cows, write for par-ticulars. I have for sale built calves for the same same same same same same veid Count. De Kol, construction for the breed. Also the highly bread four year oid buil Hengerveid De Kol Koyes, related to Bara Jewel Hengerveid, who with her daughter, Sara Jewel Hengerveid idd, re-cently sold for \$5,506. 2-42:60





#### HOLSTEINS We must sell at least as

We must sell at least as cows and heifers at once, to make room for the natural increase of our herd. This is a chance of a lifstime to get a good bargain; we also have a few young bulls. Pontiac Hermes. Imp., son of Henderveld DeKol, world's greatest herd. Come and see them sire, head of herd. Ce

and see th H. E. GEORGE, CRAMPTON, ONT. Putnam Stn., 1% miles-C. P. R. E45.09

MISCELLANEOUS SPRUCE LAWN SHORTHORNS our bull calves, reds and roans, from milking strains, 10 to 16 months. Females

all ages. Prices to suit all. E-5-18-09 T. W. McCamus, Baillieboro

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For Sale are my winners at the late Winter Fair, Guelph. Sows bred and ready to breed; boars fit for service, Younger ones of both sexes. Guaran-ted as represented. Write your wants.

Georgetows, G.T.R., Milton, C.P.R., Halton Co. 0-6-9-09 W. W. BROWNRIDGE, Ashgrove

### FARM AND DAIRY

EXPORT BUTTER AND CHEESE Montreal, Saturday, April 24. — There is orresponding week last year, an increase of fully do per cont. This does not bear EXPORT BUTTER AND CHEESE Monteel, Saturdis A, pri 3. — There is practically no denote for ch. — There from Great Britain and although the quantity offering is still very small it is far more than the exporters here care to has weak a low and prices in the country down one cent a pound lower than those current a week ago. There was a wild range of prices, sales having been made and the start of the start of the start range of prices, also having been made and the start of the start of the start range of prices, also having been made and the start of the start of the start range of prices, also having been made and the start of the start of the start range of prices, also have the start of colored cheese old at 1 shice to Mar of colored cheese old at 1 shice to Mar of these prices, as there is absolutely no de-these prices, as there is absolutely no de-these prices, as there is absolutely no de-nand not likely to be much until nave-gation is open from Montreal, or prices come down to a level at which the Brit-is dealers will be tempied to buy. The receipte during the week amounted to

CRUMB'S WARRINER STANCHION 1/JI/ 1.500 WHY TORTURE yours with rigid stanchio Send for specification of inexpensive yet set of WALLACE B. CRUMB. Dox PS. Forestille. Conn. For Farms, Houses, Lots CONSULT BELL AND TAYLOR 376 Water Street -Peterboro FARMS, HOUSES AND LOTS FOR SALE JAMES MIDDLETON. 42: George St., Peterboro AYRSHIRES SPRINGHILL AYRSHIRES Imported and home bred stock of a ages for sals. See our stock at the lead ing shows this fall. Write for prices, ROBT. HUNTER & SONS Mazville, Ont Long distance phone. BURNSIDE AYRSHIRES Aris such demail will have another importation Will attend great dispersion sale of the world en nowned Barcheskie Herd of Mr. And, Mitchel Kinculeright, Scotland, where some yood the choice out Arynkins ext offered will be suid. Orders en trasted are more the sec sales attended to. Tak the good onces. Correspondence solicited an assistancion guaranteed. R.R. NESS, 84-1640 B-9-15-09 Hewick. Que STONEYCROFT STOCK FARM de

Harold M. Morgan, prop., Ste. Anne Bellevue. Choice young Ayrahire Bu and heifers for sale. Yorkahire bigs fro Imported Bires and Dams. February at March litters. Largest selection. Hig est quality. Write for prices. High E 5-26-09 E. W. BJORKELAND, Manager

### HUME FARM AYRSHIRES

On hand young bulls for service. Sev-aral very choics August, 1998, also helfers in call, young cows, and cows any desired age. Family cows a specialty. Orders age from the sevent set of the porting Ayrehham could be a re-sidence. Hoards Station. 6, the sidence is a sevent of the sevent set of the sevent of the sevent set of the set of the sevent set of the sevent set of the sevent set of the set of the sevent set of the sevent set of the sevent set of the set of the sevent set of the sevent set of the sevent set of the set of the sevent set of

ALEX. HUME & CO., Menie P.O.

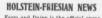
**AYRSHIRE** 10 10 AL BULLS SPARAR WALL An October 30, '08; dam's record in C. R. of P., 9,521 lbs. milk and 382 lbs. fat, aver

aging 4 per cent. Also three March, 1909, calves, dam of one having record of 7,525 milk and 322 lbs. fat as a two year the old.

W. W. BALLANTYNE

Long Distance 'Phone.

of fully 60 per cent. This does not bear out the reports from the country, which are to the effect that the make is about the same as last year. It is rather early to judge. The shipments have been very light, agregating 3000 to 4000 boxes, con-sisting principally of cheese that have been held beer in coid storage. The advance in virtude this week has been the advance in virtude this week has been the davance in the comparative visue of the face of the decline in cheese values. This change in the comparative value of the two articles is likely to influence the



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

WHY HOLLAND FARMERS ARE PROS-PEROUS.

PEROUS. At one time I found that records had been kept of yields for many years, discourse of the second second second arriculture. University of Wisconsin, in a western exchange. For several years past labecek Test records has also been kept. When we visited the cows in the field the wife and daukters were as promed of their pets as any one. The cows are absolutely tame and quiet. One can, approach and pat his hand on the animal as easily est. The returns from each cow are from \$80 to 500 annually. My admiration for the so-called floatent breed of cattle was greatly increased by seeing them on their substantial worth of the Duinh farmer. Because of our condition as to the heavy supply of cheap concentrated feeds and of our ambition to push our cows to their owe can be improved in America, but they who handle this breed in Holland have a spatial the original founds. At one time I found that records had





April 29, 1909.

Write Circulation Department FARM AND DAIRY PETERBORO - ONT.

Schulling Fosch ird, F. N. Case to Bob. De Montmorency, Beaconstield, Ont. "Baswille Beaty, R. Consell to Gordon Neuronal Control of Control of Control Neuron Control of Control of Control Neuron Control of Control of Control Susan Ryiver, Mangle HIL, W. H. Hawe Co Lett. Kilhorr, Pium Hollow, Ont. Busan Ryiver, Maple HIL, W. H. Hawe Co Lett. Kilhorr, Pium Hollow, Ont. Susan Ryiver, Maple HIL, W. H. Hawe Co Lett. Kilhorr, Pium Hollow, Ont. Lowric, Tilbenburg, Ont. The Abbeker: Pride, W. L. Simmons to Woodland Results 2rd, Miles Wood to Elein Wood, Kelvin, Ont. Woodhand, Results 2rd, Miles Wood to Elein Wood, Kelvin, Ont. Wanhard, Manhard, Ont. Zenobia R. E. Connell to Gordon II. Manhard, Manhard, Ont. Wanhard, Manhard, Ont. On W. Clemons, Beerelary.

G. W. Clemons, Secretary.

#### NEW POSTAL FEGULATION

NEW POSTAL FEGULATION Oving to a recent raling of the Cana-dian Government, enforcing duty on all printed matter mailed direct through from over the border, The J. Bterens Arms and Tool Commany, of Chicope and Comment, and the second second second their booklets, catalographic to Canadian addresses. This of course causes some de-lay, but we assure all our readers that this company will in every instance for-promptly as possible. Hwy stored just an every and our two for it to arrive.

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WANTED - Four experienced men (Scotch preferred) on a dairy and stock farm. Must be good milkers and teamsters . Ap ply, stating wages wanted, to Box G, Farm and Dairy.

BLA GURCH: hens ar BLACKSTOCK.-We of rain and with wa have a very rapid and clover have oon well. Feed in most ting pretty low, but looking well. There demand for castle of are being bought good prices. The ho be a little quieter, jo got suppled, and ti from outside markets WATERION WATERLOG. Seedin We Arzen And quite a and with a few days er we will be able Some sod has been good demand for all grains at good prio being bought freely Parmers are busy pr moving old crooked ring ing trim substantial WATERLOG

### WRITE ]

We have just issued Farm and Garden Bool free copy by writing for

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April 29,

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ter situation i Prices on the from 20c to 25c a cwt and hay fun all out of the only object cows in conditio -J. W. HAST THE BIDGE. spring seems to b all gone off the f through the wir pears to be plem very scarce and 60c a bushel: pes hay, \$13 to \$15 a and offers of \$1 a HAST

ere are none fo

SIDNEY CROSS

SIDNEY CROSS and all grasses i and are now begi frost is all out of has started and brighter than noo large number of ing the patrons and as usual the take the lead. Ti to \$14 a ton: mix \$6 a bush; barley peas, 90c; bran, 8 a ton: freah eggs.

peas, 30c; bran, 3; a ton: fresh eggs, outter, 26c a lb; po milch cows, \$40 t hogs, \$7.20 a cwt cwt.-J. K.

cwt.-J. K. APSLEY.-Spring ing: the weather have had one of experienced in these record breaker for posed that there cut this past wint two. Stock has c shape and feed is

two. Stock has c shape and feed is ing from \$10 to \$11 toes, \$1 a bag: ai kick coming for wa -A. B. G.

LASSWADE.-The have had a lovely the ground. As soc and seeding will be through the winte Brood mares have

in some cases both died. Butter is 25 scarce as most peop for summer use. Pe

for summer use. Po prices are high, \$1 a rise. The farmers i ter raise more whea 15c a dozen; hens ar

DURHAM TOCK.-We

died.

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A obtained we should requently import Holateins in order to introduce fresh blood from the original fountain head. Their animals will not produce as much milk and butter at home as will ours, but they are absolutely natural and full of vigor when they come to us.

COW TRANSFERS FOR FEB., 1909. The publication of these transfers is paid for by the Holstein-Friesian Breeders' Asociation Schulling Posch, F. N. Case to Erwin Weir, Burgessville, Ont. Schulling Posch 2nd, F. N. Case to J. G. McLees, Burgessville, Ont.

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SHIERROOKE CO. OUE. LENNOXVILLE — The sugar season wather codditions promise statisticatory. Weather codditions promise the statisticatory is yield about to the average. The but is yield about to the average. The but is yield about to the average. The but is statisticatory is a statisticatory and from Site to Sic which, with feed at \$1.60 from all object in business and makes is and object in feeding to keep the own all conditions the summer's work. -y.

#### ONTARIO

#### HASTINGS CO., ONT.

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HASTINGS CO., ONT. THE HIDGE. — The long looked for spring seems to be heat last. Snow has all cone off he fields: the last. Snow has through the winter all yight. Prevent pars to be pientiful. Good sease on the very scarce and dear. Good oats sell for Goe a bunkle; peas and wheat, §1 a bunk, hay, §13 to §53 a ton. Potatoes are scarce and offers of \$1 a bag are being made but here are none for sale.—A. B. O. BUNKF CROSSING. — Fall wheat, yre

There will be a set of the set of

evit.-J. K. PHITERBORC CO., NT. ArBLEX.-Spring is very slow in com-ling: the weather still keeps cold. We have had one of the finest winters ever coperimed in these parts. It has been a transfer for lumbering. It is sup-posed transfer for lumbering. It is sup-tive. Stock has come throm any former two. Stock has come throw any former two. Stock has come throw any former two. It is a store of the store o

-A. B. G. LASSWADE.—The snow is all gone. We have bark and the settled the start has settled the gradi a lorely rain that has settled in the gradi and wrigen. Gatte have come and seeding An soon as it dries, plowing and seeding the start of the set of the Brood mares have been good condition. Brood mares have been good condition. Brood mares have been good the start died. Butter is Sie a lb and is have scarce as most people are laying it away for summer use. Fotatoes are scarce and pice. The laying start had bet-ters the laying well.—Half W. DURHAM CO., ONT.

150 a dosen; hens are been set of the are set of the set of the

from outside markets.-R. J. WATERLOO CO., ONT. WATERLOO Eco., ONT. We have had been a bit of rain lately and with a few dies a bit of rain lately and with a few dies a bit of rain lately some we will be able of real warm watch some sod has been plast on the land. Some sod demand for all kinds of pers is a sood demand for all kinds of rears is a grains at good prices. Clover small framers are busy pruning orchards, re-moving old crocked rail fences and buil-ing trim substantial wire fences. The

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prices for May and Jane divery.-QLLS AYR. - They say and Jane divery.-QLLS and divery.-QLLS and divery.-QLLS and divery.-QLLS and divery.-All and are buy and some on the lighter hand are buy and and and are buy and are buy and and a some hand are buy and and a some hand are buy and and apring stallon shows have been hand and apring stallon shows have been hand and apring stallon shows have been hand and apring stallon shows have been the fast and also good chance to secure good loos traveling through his district.-0. C. 8. WELLINGTON on Any

G. C. S. WELLINGTON CO., ONT. LIVING SPRINGS — The high wind re-cently did all of of hands — The high wind re-trained to the second second second second and the second seco

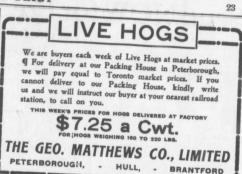
price but is is nikely that there will be some light oats sowed-A. M. MIDDLESEX CO., ONT. THE THE ISERS CO., ONT. The Trust is leophone is being pushed, along, and into many of the farmed along, and into many of the farmed along, and into many of the companies pleasure stered much to the occupants of the considerable and much over-hauling in the builder and the and all will go on to the grass to far-and all will go on to the grass to far-and all will go on to the grass to far-and all will go on to the grass to far-ther. Considerable milk is delivered at the constant of the season properly opena. J. E.O. NOT.

a will follow when the season properly opena.-J. 26. O. ELGIN CO., ONT. TLAIGOVILLE.-The wheat looks first-class: very little of it has been hurt by the overy little of it has been hurt by indeed and has a La overs the ground indeed and what has been to be along also unburt and a now foot sea much sward over the fields. Not be much sward over the fields who has the land is dry was of the village where the land is dry was of the village where the field search over the field will be to a search over the field will be to a search over the search over the loss of the search over the search one farm a field. Candide the search one farm a field search over the shingles of a search of Mr. Charlton's big bargain. The short of the shingles of repart in the damage. Another implet made and a la how having it cut in show wood-J. S. O. BRUGE CO. ONT.

A. E. O. BRUCE CO. ONT. CLUNY.-Recent Water to the store wood.-CLUNY.-Recent with stores have done considerable dammin distores have done considerable dammin distores have done considerable dammin distores have done wooded farms. The stores and wave stores works and see that went of the kild ducks and seese that went of the kild ter part of the latter with the kild reing change most of the farmers. Glover the advantage of it and are soving have and the seeding as yet. A number of full no seeding as yet. A number of full no seeding as yet. A under a full no seeding as yet. A with CO. Our

gallon.-J. M. CHATHAM.-The formers of Kent Co. have finished seeding: Even in the low lands the early spring even in the low lands the early spring wheat is up siz inches. The spring wheat is the spring inches and spring wheat is and all round even of mark the spring recently arrived from Germager heat seed and about 800 acres of beets will be not abou

Farmers wishing to prevent disease in their stables and barns should send for one of the free booklets to be obtained from Messrs. Wm. Cooper & Nephews, Manning Chambers, Toronto.



#### GOSSIP

GOSSIP A spraced by and by and by any sprace of the second structure of the se

# HOLSTEIN-FRIESIAN OFFICIAL TESTS FOR FEBRUARY, 1909.

ROISAILIN-FRIENAN OFFICIAL TANDA These lesis are all for a period cf seven days an entry and the observation of the seven days of the observation of the seven less, or Prof. Cumming, of the Nore Hold Science of the seven Hold Science of the seve

milk. Owned by W. E. Hambly, Rockford, The Netherland De Kol (6215) at 3 yrs. Cora Netherland De Kol (6215) at 3 yrs. O m. 8 d. of age. 1059 lbs. butter fat, quivalent to 12.35 lbs. butter: 345.6 lbs. nik. Owned by W. E. Hambly, Rock-ord Ont.

10 m f d of age, have the first of the back of the second by W. E. Hambly, Rock-mills, Owned by W. E. Hambly, Rock-Miss. Disc Kol Kent (179) at 3 yrs f and age, 10.30 fbs. butter fat, southing and the batter is an advected by E. Hambler, Batter is and back of the second by the batter is an advected by E. Laddaw & 3003 fbs. mills. Owned by E. Laddaw & 3003 fbs. mills. Owned by E. Laddaw & 3003 fbs. mills. Owned by B. Laddaw & 3003 fbs. mills. Owned by G. B. Laddaw & 3003 fbs. mills. Owned by G. B. State and S. Batter fat. equivalent to a fat. State and the second by B. Laddaw & 3003 fbs. butter fat. equivalent for a ge, 1000 fbs. Juster fat. equivalent to 12.40 fbs. butter fat. and the equivalent to 12.40 fbs. butter fat. and the equivalent to 12.40 fbs. butter fat. and fat. equivalent fat. and fat. equivalent fat. and fat. equivalent fat. and fat. equivalent fat. and for the fat. and for the fat. and for the fat. and for the fat. and fat. equivalent fat. and fat. equivalent fat. and for the fat. and for the fat. and for the fat. and fat. and for the fat. and fat.

milk: Owned by answer build, and Ont. Lata Mercedes Keyes (825) at 2 yrs: Market of the second second second second whether the second second second second Weight of the second second second second Helson De Kol 2nd (831) merced second to a gate, 841 Dis. butter fat or the second second second second second by the second second second second by the second second second second the second the second equi

G. W. CLEMONS, Secretary HORSE SALES

HORSE SALES Graham Drea, of Claremont, have been having a very successful season. Within the past very successful season. Within the past very successful season. Within of Storm Lake, lowa, and season of the dist of the season of the season of the dist of the season of the season of the dist of the season of the season of the other season of the season of the part of the season of the season of the breeding condition. These rising season of the parts of the season of the se

Mr. Harry C. Stock, Brampton, Ont. better known to stock breeders as the Zenoleum Man, is now Canadian distribu-for the Zenoleum Vaterinary Prepara-tion for the Beadquarters at Brampton, Ont. Parm Beadquarters at Brampton, Ont. Parm beadquarters at Brampton in his new business venture.

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# Send NOW for Free Book and Sample!

"For more than five years I have been experimenting with our experts to find the BEST culvert for all-around uses. We sought



the markets of the world for one that was just right; and we didn't find it. If we had, we'd have bought the patent rights for Canada. Finally, last Spring, we struck the idea. Then we put in some expensive months in making that idea better, -and NOW we've got a cul-

vert that is so far ahead of any other there'de no comparison.

You'll read something about it here; but to KNOW how 'way ahead it really is, you'll want to see the sample (sent free) and read the booklet (free, ditto). With that before you, you will soon see why every reeve, or warden, or town councillor, or anybody who has any use for culverts at all,-will find it pays to get in touch with me right NOW. I am asking you to lay aside your notions of what makes a good culvert, and a cheap culvert, and find out about this NEW culvert. I don't expect you to buy a foot of it until it PROVES to you that Pedlar Culverts are in a class by themselves, and that you can't afford to overlook them. Let us start that proof toward you soon-address place nearest you.

Learn about the strongest most practical most durable and easiest-laid culvert ever made

PEDLAR CORRUGATED GALVANIZED CULVERT

#### Made of Special Billet Iron, Extra Heavy

In every size of Pedlar Culvert, which comes in all standard di-ameters from 8 inches to 6 feet, we use nothing but the best grade of Billet Iron, specially made for us, of extra-heavy gauge (14 to 20 gauge according to the diameter). This Billet Iron is curved into semi-cylinders—curved COLD, so there will never be any variation from exact dimensions; and it is then exact dimensions; and it is deen deeply and smoothly corrugated on a special press that puts a pres-sure of SIXTY TONS on every The corsquare inch of the metal. rugations, therefore, are uniform and very deep.

#### Galvanized **AFTER Being** Pressed Up

When the corrugating ections are galvanized by our exclusive pro-cess that covers the cess that covers the entire surface with a thick coating of zinc speller. Every edge, every crevice, is heavily coated with this rust-proof, cor-rosion-proof galvan-izing ; not a spot is left unprotected. This is the ONLY culvert galvanized AFTER being shaped. It is ABSOLITEELY It is ABSOLUTELY RUST-PROOF.

Frost-Proof, Rust-Proof and Wear-Proof

This triple-rib flange-lock principle, found only in Pedlar Culverts, not only adds greatly to the strength of the piping and makes a perfect jointpractically as good as if welded-but it also allows for expansion and contraction under cold or heat. Though a Pedlar Culvert, of any length, be frozen solid full of ice, it will not spring a leak. Send for sample and booklet and you will see why. State your probable needs and we will gladly quote prices.



#### Will Stand Incredible Strains

The heavy-gauge Pedlar Billet Iron sections deeply corrugated and locked together without bolts or rivets by our compression triple-rib (this rib is flat, not corrugated), make a culvert that will stand enormous crushing strains and neither give nor spring. A thin cushion of soil on top is all the protection such a culvert needs against traffic; and no special precautions need be observed in laying it,-it will stand what no other culvert can.

A structure like this, with Pedlar Culvert, won't wash out nor need repairs.



A.Tedlar

A few hours' work and a few dollars will put a modern and permanent

culvert structure in place

of a ramshackle bridge like this.

## This Shows How It Is Put Together



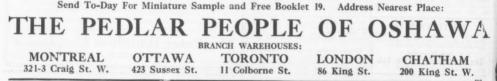
Pedlar Culverts are shipped in half-sections, nested-saving freight and making carriage easy in roughest country. Quickly and easily transported anywhere. Fig. 1 shows the half-sections or semicylinders, nested one within the other for shipment. One of the ribs is a radial flange, the other a re-curved flange. Sections are assembled as shown by Fig. 2. Note that the ribs are flat, and the

curved part of the cylinder deeply corrugated. These ribs add vastly to the culverts' strength. Unskilled labor, with a simple





fect Culvert flange-lock-no bolts, no rivets, no makeshifts. This is the only culvert that is laid with broken joints-the overlap between ends comes in the centre of each length. No chance of leakage.



flanges together, making a triple-fold joint that is tighter and better than any riveted or bolted joint could possibly be. Fig. 3 illustrates the simplicity of the Pedlar Per-