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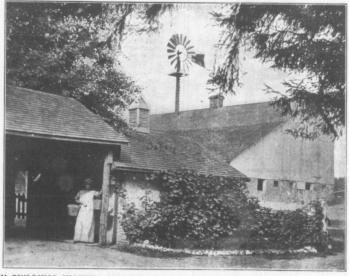
VOL. XXIX.

NUMBER 17.

CARM ANDUAIR.

PETERBORO, ONT.

APRIL 28.



FARM BUILDINGS SHOWING SEPARATE MILK HOUSE REASONABLE DISTANCE FROM STABLE

If there is one thing above another that is needed on the average dairy farm it is a more attractive and sanitary place in which to keep the milk, the separator and the dairy utensils. Conditions approaching the ideal are shown in the above illustration, which appeared in the report of the Ontario Milk Commission, and the subject of which is the home of Jos. H. Marshall, ex-M.P., near London, Ont.

DEVOTED TO

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GANADIAN COUNTRY LIFE

What Do You Know About Cream Separators?

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Do You Know that the Simplex Link-Blade Separator has its imitators?

Do You Know that the Simplex is the only separator having the self-centering bearings?

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The Simplex Link-Blade Separator



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BEATTY BROS., FERGUS

Successful Co-operative Bacon Curing

In view of the unsuccessful attempt made a few years ago to operate cooperative bacon curring plants in this country, it is interesting to note the main factors that have made for the success of cooperative bacon curing on the part of the Danes. These factors are dealt with in the following extract from the report of the Swine In view of the unsuccessful attempt

Most Canadians to any extent in-Most Canadians to any extent in-terested in bacon production are more or less familiar with the Danish sys-tem of co-operative curing. The sub-ject has been discussed and written ject has been discussed and writeen about a great deal during the past few years. The Commission visited a number of the Danish co-operative curing factories and larned as much as possible of the system on which they are conducted. The co-operative curing of becoming the conducted of the past of the conducted of the conducted.

curing factores are system on which they are conducted.

The co-operative curing of bacon in The co-operative curing of bacon in the farmer than the farmer th ten such organizations were in operation. This number year by year was added to until it has reached 36 besides 24 minutes. added to until it has reached so be-sides 24 private packing houses scat-tered over the little country, so close, indeed, in many cases that 90 per cent of the hogs killed are brought in by waggon

THE MOVEMENT DISCOURAGED

THE MOVEMENT DISCOURAGE.
For a number of years it is claimed proprietary owners sought by various means to discourage the co-operative movement, but the foresight, persistence and stability of the Danish farmer prevented even a hat in its progress until it soon was able to dominate the situation. The province of the situation of the property of the situation of the property of the situation. the summer of th erative association. These associations have a foothold in practically all districts where hogs are reared in considerable numbers, the total membership being about 100,000. Two main factors have been responsible for the success of cooperative and the company of the cooperative statement of the cooperative seasons.

sponsible for the success of co-operative packing associations from the first. No capital had to be supplied by the shareholders, and each pledged his entire output of fat hogs to the co-operative association

erative association.
On the joint guarantees of share-holders the banks provide the necessary money for the erection and equipment of the factory and working capital. The working fund is increased in the beginning by holding back a small part of the value of the hogs shaughtered. When this has reached an amount sufficient to carry on the work the capital sum provided by the bank is reduced year by year. As a rule the principal is paid off at a rate to clear the whole debt in twenty to thirty years. The following is a usual form of guarantee:

to thirty years. The following is a usual form of guarantee; We the undersigned hereby pledge ourselves to deliver to the cooperative bacon factory which it is proposed to establish all the pigs of weights between 150 and 50 hb. which we may produce for sale. Such ples will be delivered on conditions decided

by the shareholders of the society, and that by the shareholders of the society, and that we shall receive such amount in payment we shall receive such amount in payment for them by the wine as may be realized for them by the unit of the society and the norganization copenses incurred in the organization of the society and the annual instalments on the society and the annual instalments on loan for building and plant payable during a period of about 25 years together with current working expenses.

PENALTIES PROVIDED

PENALTIES PROVIDED.

The guarantee is graduated according to the number of acres owned by each member respectively. Ownership of 25 acres or less is sufficient for a guarantee of about \$14; between 25 and 250 acres, \$29; and for larger amounts \$28 for each 250 acres. The guarantee of one member in no case exceeds \$135. It is a fundamental principle that each guaranter in the ownership of the whole properly of the factory in proportion to the amount of his respective guarantee in the ownership of the whole of the same of the acres of

of expulsion from the Association may also be exacted.

Shareholders who live within aix miles of the factory as a rule deliver their pigs free, but those living at a greater distance deliver to the near-est railway station, and the association pays the freight from there to the factory. In some associations a bonus of about seven cents a hog is granted the shareholders who deliver their own nigs. The packing plant agrees to the snareholders who deliver their own pigs. The packing plant agrees to accept every sound hog delivered. The pigs when delivered are unloaded into a small car and a metal tag put into the ear of each for identification. If the owner so desires the pigs may be weighed alive. Immediately after be-ing dressed they are weighed as the owner so desires the pigs may be weighed alive. Immediately after be-ing dressed they are weighed and classified. An advance covering a portion of the value, based on the cur-rent quotations and the class to which the carcass belongs, is made at once. About one-quarter of a cent a pound is withheld u.cil the end of the year, when the final premium is paid on the basis of weight of pork delivered dur-ing the year.

A Profitable Feeding Trial

G. H. Hutton, Supt. Exp. Farm, Lacombe, Alta.

Lacombe, Atta.

On March 30 the first bunch of cattle fed at the Lacombe Experimental Farm were marketed. They were purchased by the G. Y. Griffin Co. and shipped to Edmonton. The price paid at Lacombes a pound with 5% shrink at Lacombes a pound as a Lacombes a pound at Lacombes a pound of the contract of the contr

blood were represented in the bunch which were fed in a corral with a shed on the west. This shed was not used by the cattle to any great extent. Prairie hay, timothy hay, frosted wheat, Larley and oat screenings constituted the ration. Hay was kept in racks at all times and salt and water was always available. At tank heater was always available. At the formation of grain was fed ground in long troughs wheat, as the oats and barley could have the control of grain was reached. At this time they were consuming daily 10% pounds each.

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Issued Each Week

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Vol. XXIX

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FOR WEEK ENDING APRIL 28, 1910.

No. 17

THE APPROVED PRACTICE IN MANGEL AND BEET CULTURE

George Rice, Oxford Co., Ont.

Mangels and Other Roots Fill a Particular Place in Rations for Dairy Cows—Ensilage Cannot Take Their Place Entirely—How to Secure Quick Germination of the Seed

SINCE the advent of the silo there is a disposition on the part of many farmers to give up the growing of roots. Ensilage is better to preserve for the largest part of the feeding season, and it can be kept over for summer feeding. But to those who are producing winter milk, mangels, or cow beets, or sugar mangels are of great value. In fact, the roots are better for making milk than is silage.

Most dairymen engaged in making large records like to have the roots. A large breeder of dairy cattle living in New York state wrote me last winter asking if I knew where he could get a carload of mangels, or cow Leets. Now, to ship

them so far, haul them to the car and then from the car, not to mention other work and duty added, it would make them come very much more expensive than roots are to the farmer who grows his own. And yet farmers who can grow roots to perfection don't seem to realize the advantage of them.

ROOTS AND CORN.

One-half an acre of good corn and one-quarter of an acre of roots will grow more feed than an animal can eat in a season; it will provide sufficient ensilage for 300 days and roots for 200 days. Add to this straw that has been well preserved, and we have the basis of a mighty cheap ration, either for milk or beef. In fact, this feed grown on three-quarters of an acre and fed along with the straw is a better ration than 75 per cent. of the stock in the country gets.

Turnips, I consider to be of equal value, to mangels, but there is a danger of tainting the milk when they are fed improperly. Since it must be acknowledged that many people are careless, and as the mangels or sugar beets can be grown as easily, it is well to avoid any danger from turnip taint.

MANGELS FOR EARLY FEEDING.

I like to grow some mangels for early feeding in the fall. Mangels are softer than the sugar mangels or beets, and cattle learn to eat them whole more readily. I consider pulping roots, when there is silage on which to feed the meal, as so much waste time. Most people can find enough to do on the farm without doing useless work.

The long red mangels are great croppers, but the yellow intermediate will yield about the same, and on account of their shape they do not break up so much in harvesting. The sugar mangels or beets are the best to grow. They keep better and are harder, do not break and are on a little higher feeding value. The yield is quite satisfactory, and they are easy to harvest—unlike the sugar beet grown for the sugar factories, they stand well out of the ground.

RICH SOIL REQUIRED.

The soil cannot be too rich for mangels or beets. For these it is best to manure the land well the fall before. However, good crops can be grown from spring prepared ground. Manure heavily with well rotted manure, or with manure containing not too much straw, as that has a tendency

A Well Lighted, Well Ventilated, Well Drained Eastern Ontario Stable

The cow stables in which is produced the milk that supplies the City of Ottawa, came in for most favorable mention in the report of the Ontario Milk Commission. The dairies that supply Ottawa, as all under the closest supervision, and are required to measure up to certain standards in the way of the central time. Note the abundance of windows provided, also the outlet chutes and the inlet apertures of the ventilation system of the stable illustrated.

to make the soil too dry. Plow as early as possible and keep the soil well worked in order to get it mellow and to start as many of the weed seeds as possible so they will not bother so much later.

SOW MANGELS ON THE FLAT.

Some prefer to sow their mangels on ridges. I have grown them of late years on the flat and have sown the seed with the grain drill, using every fifth hole; that puts the rows 35 inches apart, which is close enough.

From four to six pounds of seed is usually sown; four pounds is quite enough if sown evenly, but it is better to have them too thick than too thin. Some sow their mangels as early as May 1st; but I think labor will be well spent if the seed is not sown until after the 15th of May, and in the meantime the ground is kept worked up and gotten in very nice mellow condition. The seed, then, comes up quicker and the weeds do not get such a start.

SOAK THE SEED.

In order to hasten germination it is a good idea to soak the seed. First put the seed in a grain bag and pound it on the floor by swinging the bag as one would a mallet. The seeds from striking the floor and one another will wear off the roughness and permit of them being sown more evenly. Blow out the dust after pounding and put the seed to soak. Make the soil quite wet and drain off any surplus water not taken up in six or eight hours. Keep the seed in a fairly warm place; stir it occasionally so that the top seeds will not Lecome too dry, and then after a couple of days the seed should be about dry enough outside to sow well. They will still be soaked on the inside. If not dry enough to sow well, then dust-plaster or sifted ashes on the seed and mix together. When prepared in this way

mangel seed will come up very quickly and thus not let the weeds get the start, in which case the mangels can be thinned out much more easily.

THIN WHILE SMALL.

Mangels should not be allowed to get too large before thinning, as they mat together. Taken at the right
time, they can be thinned as
easily as turnips, and without using the fingers. They
should be thinned 12 to 16
inches apart; the richer the
ground the thinner they
should be left, as they will
grow larger on the rich soil.
Some like to leave them 18
inches apart.

It pays to have rich, well-fitted soil for mangels or sugar beets, as it saves labor and in harvesting it is no more work to lift a big mangel than a little one, and mangels should be large enough to pile up like stove wood. Then you have an

wood. Then you have an immense lot of good feed off a small amount of ground.

It is a discouraging feature to have so many roadside curs in the country. Not only the hounds, which are kept by the genteel sport, but the mongrels kept usually by men in towns and villages who scarcely keep their families well can sport one or more curs. These curs in the autumn get hungry for blood of some kind and too frequently antisfy it with the blood of some farmer's nice flock of sheep. This flock is thus injured to the extent that they never do so well again. But even under such handicaps as the many dogs that are around, some of our farmers are doing well with sheep. A few sheep can be kept to advantage and will prove profitable on almost every farm.—T. S. Raynor, Ottawa, Ont.

The Pure Bred Sire-His Value*

How many of you have dairy herds that will average more butter fat per cow than your father's herd did, or perhaps than-did your grand-father's herd? Have you made any improvement upon your father's methods of handling his dairy herd? Are you taking any steps to insure the heifer calves you are raising being better milk and butter producers than their dams? If you are using a "scrub" or a "beef bred" sire and hoping to have a herd of profitable dairy cows, your results will certainly not be very gratifying.

The task of building up a profitable dairy herd must begin with the sire. Without a pure bred sire, with the ability to get calves capable of producing milk and butter fat economically, all other efforts to improve your dairy herd must fail. The skillful breeder of any class of live stock realizes the importance of having a properly selected sire to head his herd. The average dairyman, however, gives this important subject little thought and makes use of a scrub sire because of the idea that it is cheaper to do so, or because his father got along all right with a scrub sire and he, himself, has not given the matter much thought. The scrub sire and the unprofitable cow go hand in hand in retarding dairy progress; where you find one you generally find the other. It is not necessary that every farmer have pure bred cows of a dairy breed in order to have a profitable dairy herd for high grades are just as efficient producers.

The following shows very distinctly the rapidity with which the qualities of the sire accumulate in the high grade:

Generation.	Blood.	Percent. Improved. 50.	Percent. Unimproved. 50.
2	3/4	75.	25.
3	7-8	87.5	12.5
4	15-16	93.75	6.25
5	31-32	96.87	3.12
- 0	63-64	98.43	1.58

This shows very well the truth of the often heard statement, "The sire is one-half the herd" It does not mean, however, that the same sire must be used throughout the six generations. This illustration is true whether or not a change in the sire is made. With the properly selected pure bred sire used on the common cows found in the average herd, the improvement will be much more rapid and the sire will be a great deal more than one-half the herd. His being pure bred gives him one-half the herd. His being pure bred gives him one-half the herd. His being pure bred gives him the offspring than can the grade cow.

Up-to-date dairymen are beginning to realize the value of pure bred sires in increasing the production of the herd and decreasing the cost of producing butter fat. Do not be afraid to pay a good prize for a pure bred sire to head your herd and never buy a sire because the cost in dollars and cents is low, for you will surely realize some day that his actual cost was indeed very great. If he is a sire that will produce daughters that have milking qualities developed to a high degree, the cost should be of secondary importance.

Valuable information as to the importance of the sire in improving or injuring the productive capacity of the herd can be had from a study of the dairy records of the State Agricultural College of Missouri.

By comparing 10 daughters of a sire with their dams, it was determined to what an extent these daughters were influenced by their sire, that is, whether or not they were superior producers to their dams. It was found that 10 daughters of one sire average 216 pounds of butter fat yearly; while their dams average 234 pounds yearly. It can readily be seen that this bull decreased the average production of the daughters 18 pounds under that of their dams. With another sire that was used there was no decrease or increase, the

*This article is part of an information circular sent out by the Blue Valley Creamery Co. to its patrons.

herd being at a standstill. Another sire which was used increased the average production of 10 daughters 110 pounds of butter fat per cow over that of their dams. This 110 pounds of butter fat at an average price of 25 cents a pound, would make \$27.50 that each daughter earned in excess of the earnings of her dam. Counting on the same basis 30 cows milked six years, we have \$4,950 worth of butter fat produced by the daughters in excess of that produced by the dams. You can readily see what the great value of this bull would have been had he been owned by a small association of neighboring patrons. He would have been cheap at \$1,000, while the other two bulls mentioned would have been expensive at \$10.00 because they left the herd in a worse condition than they found it. There is no question but what many farmers are lowering the productive capacity of their herds every generation on account of their paying no attention to the selection of sires.

Investigations carried on in some Indiana herds by the Indiana Experiment Station showed that herds in which pure bred sires were used were producing butter fat on an average of 3½ cents cheaper than herds which were ungraded. While the average profit per year from the ungraded herd was \$19.62 a cow, that of the graded herd was \$36.04 a cow. On an average the graded herd produced 64 pounds of Lutter fat per cow more than the ungraded herd. There is no question but that the purchase of a pure bred sire would be one of the best investments our patrons could make.

Hints for the Amateur Beekeeper

D. Anguish, Middlesex Co., Ont.

It is to every beekeeper's interest to look after his bees and to see that they have sufficient stores to carry them through until fruit bloom. Bees need quite a lot of stores from now on for brood rearing. The queen starts to lay eggs in March and her energy is increased according to the amount of stores that there is in the hive. The more eggs the queen is induced to lay, just so many nore bees there will be in the hive when honey harvest arrives.

Since all the old bees, or the ones that were in the hive during winter, die off before June or before the clover honey harvest comes, it behooves every beekeeper to have all the young bees possible to take their place; and not te satisfied at that but have a great many more.

I have kept bees for a great many years and have had my failures, also successes, and I know nearly where the trouble lies. Beekeeping is not like a great many other pursuits. You cannot see into the beehive every day and see how everything is coming on the same as you may into a poultry house or cow or horse stable, and the bees cannot let you know when they want more feed. We have had a fine winter for bees; it was steady and we had a few nice days early, during which the bees were able to have a flight. The season has been very encouraging, especially to the beekeeper that had his bees well packed on summer stands. I packed away into winter quarters last fall 240 colonies all on summer stands. They are all alive and in fine shape and with abundance of stores to carry them through. I always look out for that in the fall.

See to it that you have everything in readiness for the honey harvest when it comes, for if you don't, it may slip by without you getting very much honey and then the only satisfaction you will have is to resolve that you will not be caught that way again—poor satisfaction.

The corn cron works into a rotation very conveniently, as a cleaning crop. It furnishes all the advantages of a summer fallow and at the same time yields a harvest that exceeds in value that of almost any other farm crop that can be grown in Ontario.—J. H. Coatsworth, Essex Co., Ont.

The Culture of Alsike Clover

Wm. F. Hardy, Victoria Co., Ont.

From experience gained from growing alsike for seed for about 20 years, I assure Farm and Dairy readers that to be a successful alsike grower a great many things must be learned from experience and from experimenting with the particular kind of soil with which one has to deal. The time of sowing and the way to prepare the seed bed differs but little from the approved way of seeding down to the common red clover. As soon as the land is dry enough to work mellow in the spring, thoroughly cultivate and harrow so as to have a fine seed bed.

We always sow the seed with some kind of grain, either wheat, barley or oats, using the grass-seed sower such as is attached to any common drill. After drilling, give the land one stroke with the harrows to cover all seed, and leave the soil as level as possible. I also try to get the land rolled before the seed germinates, otherwise the crushed earth would smother the small plants.

Opinions differ widely regarding the quantity of seed to sow per acre. I have known as little as three and as much as 10 pounds to be sown per acre. With our land, which is a strong clay loam, with a naturally well drained subsoil, I have found about six pounds per acre to give the best results. One must aim to have the plants thick enough to pretty well cover the ground. The object is to have the plants stand up well when they head out to blossom the following spring instead of spreading over the ground and growing straw instead of seed.

After the grain crop is harvested where the seed is sown, I would advise keeping the stock from pasturing on it in the fall. The young plants need to get a good growth and the stuble should be left standing, since it proves a valuable protection during winter.

The growing and harvesting of alsike differs very materially from red clover. Red clover is usually cut the first time about June 20, and then left for seed at a second cutting. But alsike should never be treated this way. We keep everything off of it in the spring and study to have the seed mature as early as possible, as the early seed is generally the best. Alsike should be ready to cut at about the time of the last of haying, or about the same time as the early fall wheat. Experience mixed well with common sense and close study of the crop will teach you best when to cut and how to handle it after it is cut. It is easy to grow a good crop of alsike and then lose half the seed before you get it into the larn.

Cultivation of the Corn Crop E. B. Tole, Kent Co., Ont.

Our corn is generally planted on stubile ground, or ground that produced a grain crop the previous year. Our soil is a rich loam, neither sandy nor heavy clay; it sells readily at \$100 an acre, so we must grow a good crop to make it profitable.

We cover our corn ground in the spring with coarse barnyard manure. This is plowed under about seven inches deep in the beginning of May. We roll the land and let it stand for a few days. Then we thoroughly cultivate it both ways and roll again and cultivate it again and harrow it till the surface is quite fine. We generally mark the field both ways with a horse marker, making the hills about three feet nine inches apart. We plant with a hand planter, putting the corn in about two inches deep. We like to plant from May 24th to the 26th, as the ground is then in a warm state to start the corn.

As soon as the corn begins to show we run a light weeder—something like a horse rake—over the field, perhaps two or three times, to check the small weeds that are starting and to keep the land loose. When the corn is up about four inches high, we start to cultivate it with either a single or a double horse cultivator. A mar and horse

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should go over four acres, twice to each row, in one day. We cultivate it both ways, then in a week or 10 days, according to the weather, we go over it again in the same manner and we continue to cultivate it every 10 days as long as we can get through it; the more we cultivate it the better the crop. We generally cultivate quite deep, three to four inches, until the corn is a foot high or more. We do not use a hoe very much, but do most of the work with the cultivator, Leing careful to go close to the hills when the corn and weeds are small. Then after the corn gets up three feet high or more very few weeds will start.

We are always careful to plant only one kind of corn, as corn is a plant that mixes readily. We have planted the same kind of corn for the last 19 years and have only once had less than 100 bushels of ears to the acre; we have had as much as 140 bushels to the acre. The White Flint corn is the kind we have planted each year. We are careful to select for our seed corn only well matured ears that are well filled and thoroughly ripened.

Some Details of Corn Culture

Thos. C. Warwick, Kent Co., Ont.

The first thing essential for a good corn crop is rich, well draine! land; then good pure seed. The field I selected last year and on which I grew prize winning seed was a black clay loam thoroughly under drained. It was spring plowed

An Object Lesson From Dairy Records J. C. Fullick, Oxford Co., Ont.

The only way to tell whether or not a cow is paying is to keep records. Records show what might be done if we would weed out the poorer cows of the herd. There are some poor ones in every herd. I disposed of three last winter.

My herd consists of 14 cows; 11 are over four and three under four years old. They are all fed alike while in the stable, so I cannot tell what they might do individually if they were fed to their full capacity, as some will consume more feed than others.

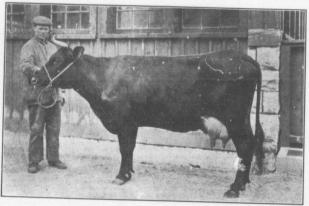
In winter when my cows are not milking, they are fed cut corn and straw mixed with about 25 pounds of roots. When they come in again, hay and meal is given. Through the summer months, in the past I have been depending on pasture, but I find that I must make a change and supply other feed of some kind

A DIFFERENCE OF 3,293 LBS. MILK.

The following are some figures in connection with my herd showing what they did last year: Best cow in herd8,260 " Poorest cow in herd4,967 " "

Average of butter fat for herd, 247 lbs., at 25c., \$61.85; butter fat for best cow of 304 lbs. at 25c., \$76.17; butter fat for poorest cow, 186 lbs., at 25c.,

One-half of the cows in the herd fell below the average for the whole herd, this lower average



A French Canadian Cow-A Popular Breed in the Province of Quebec

Inoquette—#II— a cow in the French Canadian herd at the C. E. F., Ottawa, has a record with her first calf, a large, years, of 6,479 lbs. milk, 41 per cen; fat, equivalent to 35.65 lbs. butter. French Canadian cattle are very charge, and have many excellent qualities. On both sides of the horse River, below Quebec City, and in the Lake of St. John District the French Canadian represents for the most part the sole breed kept. (early) and was continually harrowed and shal-

low worked so as to destroy all weeds.

When ready to plant, the field was marked both ways, the marks being three feet 10 inches apart. The corn was planted with a hand planter. When planted in wide rows corn is easily cultivated, and there is little hoeing required. I work with the two-horse cultivator until the corn is about three feet high; then with the single horse scuffler until the tassel is well out. Corn in the southern districts of Ontario should be all planted by May 20 or 24.

I try to have as near to four stalks in a hill as possible. When hoeing I cut out all crooked or smutty stalks.

Great care must be taken in the selection of seed, which must be pure from other varieties, well matured and filled right up to the tip. Corn from the tip of an ear should not be planted. 1 select my seed in the fall during the husking season and hang it up by the husks in some place not too much exposed to the winter.

being 216.z lbs. of fat, at 25c., \$54. Had they been up to average of whole herd, it would have made \$7.85 more each.

Best half of herd made 279 lbs. of fat, equal to \$69.25, a difference of \$8 each more than the average of whole herd. The whole herd made 3,458 lbs. of fat at 25c., \$864.86. Had whole herd made as much as best cow, it would have made 4,265 lbs. fat, equal to \$1,066.45—a difference of \$201.59 on the herd.

Bees Important to Alfalfa

It has been discovered that the honey bee is of even more importance to the alfalfa than the alfalfa is to the bee. The wonderful strength and speed of the bees takes them long distances for their food and they have recourse to a great variety of plants. But the peculiar construction of the alfalfa blossom renders it unable to fertilize itself and its shape makes cross fertilization very difficult. In the marvelous "balance of good"

in nature, alfalfa, like thousands of other plants. is aided in its lease on life by the insect world. It is not known just how many insects or birds assist this remarkable plant, but the honey bee is the most conspicuous, the most industrious, the most eager, and certainly the most useful. Careful observations have been made of seed plots grown near colonies of bees, and also of those so far from any bee colonies that it was safely assumed no been had visited the fields producing the pods. In every case it was found that those from nearby fields had from 50 to 75 per cent. more seeds than the others and that they were larger and more perfectly developed. In Colorado and Western Kansas, where bee culture has been greatly developed in recent years, it is found that the alfalfa seed crop in fields nearest to bee colonies is much heavier and of better quality than that of fields but a few miles away.

At the Kansas experiment station a small plot of vigorous alfalfa was covered just before coming into bloom with mosquito netting supported on sticks. It was therefore known that no bees nor other insects could come into contact with the blossoms. Later a careful examination disclosed that the pods which had formed were entirely without seeds.—From Colurn's "The Book of Alfalfa."

Culture of the Potato Crop*

Wm. Jenkins, Parry Sound Dist., Ont.

As the warm weather approaches in the spring, I am very particular to keep the roothouse, where my potatoes are stored, closed, so as to keep the warm air out. In this way the potatoes are kept from sprouting. About this time of year I select what I want for seed. I select medium-sized, smooth potatoes. About 10 days before I intend to plant I bring them out and spread them on the stable floor. The potatoes will then begin to sprout and be just right for planting.

When cutting seed potatoes I usually cut them in half or make three pieces. They are planted the same day as cut, or not later than the next day. Two pieces are put in a hill. The variety I grow mostly is the American Wonder and Early Rose. I have been growing different kinds of potatoes, but these two, for an all-round crop, generally do the best.

SELECT CLOVER SEED.

The soil here is a sandy loam. I usually select clover sod for potato ground. It is plowed in the fall and given a coat of barnyard manure in the spring. It is worked with the disc and iron harrows. When I get it in shape to plant, I mark the land with a home-made marker, marking it two ways, the marks being three feet apart each way. Then I commence to plant. With a shovel I remove the soil where the first row of potatoes is to be planted and in doing so for the second row I throw the dirt on the first row, and so on to the end of the patch. By doing so I dig the place for one row and cover the other.

As soon as it is possible to see the rows after the plants begin to come above the ground, I cultivate the patch two ways. In about a week I cultivate it again, using the small marked boards and throwing the soil to right and left. Sometimes I cultivate again before I finally hill the potatoes. This depends somewhat on the weather.

For finishing I use large mould boards on the cultivator. It is a mistake to hill too much. I try to have the soil hollow in the centre of the hill; this will hold the rain so that it may soak into the hill

For the bugs I use Paris green and water. For several years now potatoes have been the most profitable crop we could grow, that is, when they are properly attended to; some farmers in this district seem to plant potatoes for the Lugs. Then at digging time they wonder why the crop is poor

*Mr. Jenkins won a prize in the field crop competition, also, at the last Guelph Winter Fair.



RUN IT YOURSELF. You can quickly learn to run steam engines by studying Young Engineer's Guide. bave the expense of hiring ar engin-eer. Book recently revised 1: 254 pages. Illustrated. Endors d by engine manufacturers and lead. ine manufacturers and lead engineers everywhere Pro-tpaid \$1.00. Windsor Supply Windsor, Ont. Vindsor, Ont.
3-Our large catalogue
agineers' Bargains "

SEED CORN

ty-one leading varieties of seed All guaranteed to grow. Buy di-from the grower. Nearly fifty experience. Bend for seed cata Twenty

M. A. JONES RUTHVEN, ESSEX CO., ONT.

SEED OATS For Sale

Black Tartarian, second year, from im ported seed. Scored 92½ points in stand-ing field competition: 166 bushels from 6 sown. 81.15 a bushel for a limited amount Bags included.

B. LAYCOCK Gravenhurst, Ont.

CALVES RAISE THEM WITHOUT MILK

STEEL, BRIGGS SEED CO., LTD. TORONTO, ONT.

INCOME

Net Ledger Assets, December 1st, 1907
Premiums (Net)

THE BEST LINIMENT

OR PAIN KILLER FOR THE HUMAN BODY Gombault's

Caustic Balsam

IT HAS NO EQUAL A

healing, and for all Ol-the Sores, Bruises, o Wounds, Felons Exterior Cancer Human Corns and Caustio Balsan has Body a Liniment

Sore Throat Chest Cold Backache We would say to all who buy it that it dear unt contain a particle of solomous substance and therefore no harm can result from its actual use. Persistent, thereagh use will core many old or chronic saliments and it can be used on any case that requires an outward application with parfect safety. Neuralgia

Sprains Strains Lumbago Diphtheria Sore Lungs Rheumatism and all Stiff Joints

Pertectly Safe

and

Reliable Remed

VES THE SORENESS-STRENGTHENS MUSCLES Cornhill, Tex.—"One bottle Gaussie Baissem did my rheumatism mere good than \$120,00 paid in dector's bill. OFFO A. SEVER. Frice \$1.60 per bottle. Seld by druggists, or sent by us express prepaid. Wrise for Boottle. The LAWRENCE-WILLIAMS COMPANY, Toronto, Can.

DISBURSEMENTS

107,608 23 85,586 46 11,221 34

-8 827,749 26 425,181 69

12.363.056.65

813,615,987,60

812,983,674 37

Expenses, Taxes, etc.
Balance Net Ledger Assets,
December 31, 1908

Feeding for Official Records G. H. Gardiner, Supt. of Advanced Registry, Delavan, Wis.

The Ohio farmer-dairyman, whom I mentioned some weeks ago, writes that cows which are well born by reason of having sires and dams, grandsires an l granddams, which have been developed granddams, which have been developed in size, vigor and capacity by proper food and care, at least as far as such development is measured by advanced registration results, are valued too highly for his purse, and asks for suggestions as a to selecting and starting gestions at the selecting of the Advanced Register. The old recipe for cooking a hare begtins, first catch your hare; so, in developing a pure bred dairy herd, first select your foundation. It will be wise to more carefully, select-will be selected to the control of the selection of t herd, first select your foundation. It will be wise to move carefully, select-ing well-grown, thrifty, promising cows and heifers of approved type and of the milk and flesh form; but not rejecting an otherwise desirable animal because she happens to be of the milk form, nor refusing to buy because the owner of the herd will only allow you

form, nor refusing to buy because the owner of the herd will only allow you to select from among his best cow by your paying him well for the privilege. Any dairy cow needs a rest of 60 days before parturition, and will yield more milk per year by reason of such rest. If H.-F. cows are fed much grain at drying off time, it is difficult to get them dry, but when once dry, the second of the se

and brush. See to 18 to 19 to convenient hours: recording the weight of each milking. Feed the grain ration by weight, feeding as often as the cow is milked, and increasing it slowly till the cow is on full feed. Cases differ, but one to one and one-half pounds will usually be found a sufficient daily increase. Keep the half pounds will usually be found a sufficient increase. Keep the feed-box off in mager perfectly clean; removing at manger part feed left uneaten, and reducin any feed left uneaten, and reducin, and reducin and reducing the portionately. Fifteen the feed of grain a day for a heifer, and 20 hours for a full aged cow will usually be all that a novice should feed, though after gaining experience he may safely feed more; but it is only the cow or heifer making a very large record that needs so much. The appendix of the provided of the cow or heifer making a very large record that needs so much. The appendix for grain may be checked by record that needs so much. The appetite for grain may be checked by feeding more of coarse feed. The experienced feeder will begin his test when he knows these when he knows the cow is reaching her best: but the novice had better begin about ten days after calving.

BALANCE SHEET

Annuities

FINANCIAL STATEMENT

MUTUAL LIFE OF CANADA

For the Year Ending December 31st, 1908 Head Office: WATERLOO, ONTARIO

CASH ACCOUNT

\$13,615,987,60

ASSETS			LIABILITIES
Mortgages 8 Debentures and Bonds 9 Debentures and Bonds 18 East 18 Eas	6,244,701 4,127,103 1,670,886 32,883 309,216 2,222 336,944 259,776	29 67 39 10 45	Reserve, 4 p.c., 3/2, p.c., and 3 p.c. standard 3 p.c. standard 3 p.c. standard 3 p.c. standard 4 p.c. 4 p.c. 4 p.c. 4 p.c. 5 p.c. standard 5 p.c.

812.983.674.37

Audited and found correct J. M. SCULLY, F.C.A. Auditor Waterloo, January 25, 1909.

GEO. WEGENAST. Managing Director.

New Business written, 1908, (increase over 1907, \$171,062) ...\$7,252,464 Insurance in force (increase ever 1907, \$3,602,035) \$54,693,882 Surplus (increase ever 1907, \$348,296) \$1,882,016

oklets containing full report of the Annual Meeting, held March 4th. 1909 we been published, and are being distributed among Policyholders

W. H. RIDDELL, Assistant Mgr.

Denmark Conditions Reviewed* Danish farmers have for many years depended on the hog for necessary revdepended on the hog for necessary revenue. While nog for necessary revenue. While nog for necessary revenue while necessary revenue while necessary revenue where the necessary revenue was no incentive to products, there was no incentive to product a great type of pig. The clean Dommark compelled Danish farmers to manark compelled Danish farmers to find the fact that highest prices were paid the was known as Witshire aides. It was discovered also that milk feeding was discovered also that milk feeding was discovered become

Co-operation had already proved its value in the dairy industry. It could do so in swine husbandry. The Dan-ish farmer, industrious, persistent

*An extract from the report of the Swine

and well educated, undertook the task of preparing his pigs for the highest priced trade. The Government recogpriced trade. The Government recognized the possibilities of the swine industry and was ready to lend a hand to the work. Breeding centres were assisted for the developing of improved seed stock; co-operative pig breeding societies were organized for the dissemination of good blood at little cost, experiment feeding stations were set in operation to solve the question of conomical feeding. Through these several agencies the

the question of economical feeding. Through these several agencies the pigs on Danish farms have been brought up to a high standard.

In the early period of the bacon industry co-operation was applied to curing and marketing until the entire agricultural fabric has assumed great strength. Commoncing with the strength. Commencing with the breeding stock it extends through the rearing of the pirs, the euring of tell market values in Great Britain. The work all through is conjucted with energy and itself is conjucted with work all through is confucted with energy and intelligence. Harmony apparently prevails all along the way such that the whole work that the result that the whole work that the property of the property of the property of the property all that is good is cultivated and encouraged. The Danish official is apparently never satisfied with present conditions. To press forward has been to make the property of the prope

members the pigs and grows what will best suit that branch of his operations. He has skim milk and has studied its best sult that ornand of his operations. He has skim milk and has stidied its value in pork production. He has learned the correct quantity to feed for best results for pigs of different common profit. Through the co-quantity to profit. Through the co-quantity to look after the conversion of his pigs into bacon and of bacon into money. He pays for having these things done, the does not worry about them but devotes his energies to cheap production of the class of pig that brings him the most money. The bacon industry of the class of pig that brings him the most money. The bacon industry of compared to a vell conducted departmental store having a competent manager in having having a competent manager in charge of each department. The success of each branch is the success of the store which in the case in question is the Danish swine rearing industry.

Cabins for Brood Sows

Respecting the cabins in which brood sows may be wintered we would be glad to have your answers to these questions: |-What size is found most satisfactory? -What material is required in con-struction? 3-How often is it advisable struction? 3-How often is the straw? 4-Should sows farrow in these small build-ings?-C. B., Brant Co., Oth.

1. Cabins for brood sows to be satisfactory should be not less than eight feet long by six feet wide. The roof should extend along the longer side that is the gables should be on the six foot dimension.

2. As material necessary for such a abin, as we find satisfactory here is

cabin, as we find satisfactory here is required:
Sills, 3 pieces, 4 x 4 in. scantling, 9 ft. long; floor, 8 pieces of 2-inch plank, 6 ft. long, 1 ft. wide; roof, 16 pieces of inch lumber, 8 ft. long, 1 ft. wide; roof battens, 14 pieces board 8 ft. long, 4 inches wide, one inch thick; gables, 100 square feet inch lumber.

3. Pens should be cleaned out every Pens should be cleaned out every 10 days or two weeks. Fresh straw should be put in as necessary, always after cleaning.
 Sows should not farrow in these

4. Sows should not tarrow in these cobins excepting sometimes in aum-mer. Sows should be taken into pig-gery about a week before farrowing. Sows sleep four or five in each cabin in winter.—J. H. Grisdale, Agricul-turist, C.E.F., Ottawa.

to ha letin Static Roots tions H. Exper ally onell o vill, of cor placin

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farms, these ments indicat ter in mixed from similar New Y the Cor mine the matter value o grains,

The the Cor the rest and pe sion the matter half of by man this see

from th in th perimen

Substitute Roots for Concentrates

Recent investigations indicate that mangels may be used economically, in rations, to replace the grain ordinarily fed to dairy cows. The way seems to have been opened for a revolution to have been opened for a revolution of the property o Recent investigations indicate that

7

The Feeders' Corner

The Feeders' Corner is for the use of our subscribers. Any interested are inriled to ake questions, or small tense of prompt stention.

The seeders' Corner is for the use of our subscribers. Any interested are inriled to ake questions, or small tense of use of the reriled to ake questions, or small tense of use of the results of all rations fed in this experiment, was 21.83 pounds.

2. Less dry matter was required to produce one pound of butter fat when mangeds were fed as a succlunit food in mangels were fed as a succlunit food.

mangels were fed as a succulent food with a full grain ration than with any

other combination.

3. The average cost of one pound of butter fat under all conditions was

A Wonderful Jersey Cow Prof. W. J. Fraser, University of Illinois.

A marvelous yearly record has been A marvelous yearly record has been completed by a Jersey cow, Jacoba Irene 14643, belonging to Mr. A. O. Auten of Jerseyville, Jersey county, Illinois. This cow produced in one year 17,235 pounds (or nearly nine tons) of milk, and 1,126 pounds of butter. This is an official record, made by a representative of the Dairy Denartment of the University of Illi. Department of the University of Illi-nois, and has broken all Jersey rec-ords. Only one other cow in the world has a higher record for one year, but, taking Jacoba Irene's average production for four years, she stands absolutely without an equal.

lutely without an equal.
This is over four times the production of the average cow for Illinois,
and seven times that of the poorest
fourth in Illinois. There are 200,000
poor cows in Illinois, so poor that it
would take 200 of them to equal one
such cow as Jacoba Irene in actual
profit. How much easier to milk one
such cow as Jacoba Irene in actual
profit. When the properties of the p

ery.

During this year she could have supplied 80 people with the average amount of milk consumed per capita, and furnished cream for their coffee, besides. This was rich Jersey milk, containing 5½ per cent. butter fat, and worth, for direct consumption, at least 8½ courts a quart. amounting to and worth, for direct consumption, at least 8½ cents a quart, amounting to \$503.00 a year. A dairyman would need only four such cows to supply milk for the average sized milk route, make him a good living, and have an excellent profit besides. If one could be so fortunate as to own 10 such cows, he could have a nice little income of \$84.535 a year. \$6,535 a year.
The 17,253 pounds of milk produced

The I7,253 pounds of milk produced by Jucoba Irene during the year con-tained 14.05 per cent., or 2,327 pounds, of total milk solids. This shows something of the perfectly enormous amount of work done by this efficient dairy cow in one year. Com-pare this with the work done by the average steer, weighing 1,100 pounds at the age of two years. When born, he will weigh close to 100 pounds, of the will weigh close to 100 pounds, of which is editle dry matter. This neans that Jacoba Irene produced as

much edible solids in one year as would 25 steers, thus certainly estab-lishing, by a good margin, the world's record for a cow of any breed. The total cost of the feed consumed by Jacoba Irene during this test year was \$96.43.

FEED DURING TEST. Roughage. Weight Cost \$34.18 Grain. ...1693.5 lbs. \$18.97 6.60 0.14 Totals . . . 4835.0 " 62.25 Total cost of feed......\$96.43

900 hours in pasture. Record for 37 consecutive months, Dec. 19, 1905, to Jan. 24, 1909: Milk, 42,065 lbs.; fat, 2331 lbs.; butter, 2755 lbs.

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

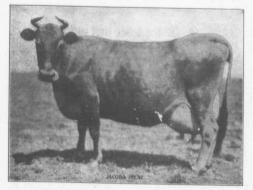
THE IDEAL **GREEN FEED SILO**



Save your Hay Decrease Grain Bills Produce More Mirk Make More Money

With one of our Silos you can do it. Thous-ands in use. Built in all sizes, and shipped Send for Free Catalog.

CANADIAN DAIRY SUPPLY CO. LIMITED MONTREAL



A Jersey Cow with a Record of 1126 Pounds of Butter in a Year

The marvellous record of the Jersey cow Jacoba Ireas affords a fine example of the possibility of the dairy cow as a producer of human food. This record is for an authenticated test, supervised by the Illinois Agricultural Experiment Station. For details, see adjoining article.

which they can reduce their grain bills one pound of dry matter in silage materially and produce more of the food for their own cows on their own farms, is suggested by the results of these experiments. Daniah experimenter relative to this subject seem to indicate that one pound of dry matter in grain, and mangles in equal to one pound of the experiments one pound of dry matter in grain, and mangles in equal to one pound of the results of the description of the des

The results of the experiment the Cornell tation seem to appear the results of the Danish experiment and perhaps go a little further that they seem to justify the concursion that one pound of dry matter in grain, at least when one-half of the grain ration is replaced by mangels; so far as feeding value is concerned in the production of milk, this seems to be a safe assumption from the data obtained.

Taking into account the facts girthance of the control of the contr The results of the experim

10. It would seem to be a safe as-10. It would seem to be a safe as-imption that farmers can raise angels for \$4 a ton and thus reduce heir feed bill very materially by the udicious use of mangels to replace ne-half of the grain ordinarily fed in udicious the ration.

analysis is equal to one pound of dry half of grain, at least when one-half of grain artion is replaced by mangels; her as feeding value is concerned in Production of milk, this seems to be production of milk, this seems to be assumption from the data obtained.

Taking into account the facts given in their summaries, the Cornell ex. make the sacrifice, I would have to perimenters have thought it safe to Brant Co., Onts.

Truth About Roofing

The first edition of "Truth About Roofing" has been completely exhausted. So have been compelled to publish a second edition of this famous bookiet. This is an improvement on the first edition. It goed given the the "heart" of the roofing problem. It tells the truth about wooden shingled prepared roofing, slate and steel shingles. It shows the cost per year of service of the different roofing materials, which is the only method of arriving at a correct inclusion as to which material is the best roofing investment. It explains the British Government's Acid Test and our Free Lightning Guarantee.

The information contained in this booklet we believe is accurate. We taken pains to see that every statement we make can be verified. You can taken pains to guite you right in the choice of roofing materials. We a really charge to guite you right in the choice of roofing materials. We a really charge to guite the property of the pro

METAL SHINGLE & SIDING Co., Ltd., Preston, Ont.

Fill in and	Dover Street Factory Please send your book- iet. Truth About Roofing. i am interested in roofing and would like complete information about PRESTON Shingles.
sement Po.Ada	Iress
It is desirable to mention the nar	ne of this publication when writing to advertiser

HORTICULTURE

ii Maaaaaaaaaaaaaaaaaaaaaaaaaa How to Prune and Why

H. Stabler, Bruce Co., Ont.

Aside from shaping the tree in the nursery, which is done before the trees are received for planting, pruning sheuld begin at the time the trees are being set in the orchard. No systematic method of pruning can be recommended which in the property of a period of the property of a period being set in the orchard. No systeming how to prune.

THE PROPER HEAD.

Pruning as a whole should be regarded as a means of adapting the tree, or its individual branches, to tree, or its individual branches, to environment or surroundings. In con-sidering the environments, the climat-ic condition of the region is impor-tant. Apple trees should be pruned so tant. Apple trees should be pruned so as to give the maximum amount of sunlight to every limb. This is necessary to give sufficient sunlight for the proper development and the proper coloring of the fruit. The head may be formed of five or six leading limbs, bris arrangement of the tranches affords an open centre to admit sun and air. On open centre to admit sun and air. On open centre to admit sun and air. On deed much lower than in the valley. This and or ridge land trees should be head-ed much lower than in the valley. This is to prevent the wind from blowing the tops about and destroying the fruit. Trees that are headed low pro-tect the bodies from sunscald, the fruit is gathered and spraying is done with much less effort.

It is generally best to remove surplus limbs while they are young, rather than to leave them until they are large. The removal of very large limbs should not be practised where it can be avoided. It exposes parts of the tree to the sun which have been accustomed to semi-shade, and also makes large wounds on the trunk. Disease may get into these large wounds before they heal over. It wounds before they heal over. It makes large wounds on the trunk.
Disease may get into these large
wounds before they heal over. It
should be borne in mind, however,
that a limb may serve a very useful
purpose for a year or two, and then
it may be removed if no longer need-

ed.

In removing limbs it is best to cut
them very close, so as to leave no suggestion of a knot. The closer the cut
the larger the wound will be, but a
large wound made by cutting close will
heal quicker than a small wound,
which leaves the base of the removed
branch

which leaves the base of the removed branch.

One must depend upon the cambination of the trunk to grow over the wound where a limb is removed from the trunk and the growing layer of the trunk cannot be trunk to grow over the increases sufficiently in diameter to grow over the leaves, though diseased and dead parts leaves though diseased and the growing on meel land, but the distance of the potato, the half of the

plant.

A despatch from Truro, N. S., dated April 14, indicates how thoroughly the April 16, indicates how thoroughly the Moth is being carried on in Nova Sectia. A party of college students in charge of Professor Smith pro-ceeded from Truro to Annapolis and Dights control of the State of the Control esched from Truro to Annapolis and bidde countries on April 15 to com-plete the countries of the com-plete the countries which has been in op-portation directly the complete the countries of than in any previous year. Altogether, between 1200 and 1500 nests have

than in any previous year. Altogethere, between 1200 and 1500 nests have been picked and destroyed, in comparison with 6000 four years ago, thus showing that great progress has been made in destroying these insects.

Dr. Hewitt, Dominion Entomologist who recently visited the Province, recognizing the national importance of Keeping this destructive moth out of Canada, purposes recommending that thus Federal Department of Agriculting the work of the control of the cont know that it costs over \$1,000,000 per year to repress this pest in that single State, cannot but endorse the active policy which the Local Department has pursued. It is hoped that during the next few days owners of properties in Kings, Annapolis and Digby counties at least will make a very thorough search of their orchards, with a view to finding any possible nests which may be present. The matter is of great private and public importance.

Examine Seed Potatoes for Dryrot

Potatoes in Ohio, both early and late varieties, suffered severely in 1900 from premature dying, due to Fusari-um blight, which causes dry-rot in the tubers

The Botanical Department of the The Botanical Department of the Ohio Experiment Station warns growers so they may avoid the losses which might otherwise me from planting diseased seed potations and the property of the prop

The disease shows as dark or black spots running through the potato from blos stem end. Usually the stem end bus stem end. Usually the stem end to be stem end. Usually the stem end show the potato, when diseased, will show the stem end to be stem end to be stem end to be stem end when cut across show in the stem end when cut across show in the stem end to be stem

The usual seed treatment for plant. The usual seed treatment for scab, etc., will be very useful to kill dry-rot spores which may adher to tubers, and may be applied to the healthy portions after separation from the diseased parts of potatoes.

Varieties of Fruits Recommended

Lists of fruits recommended for lateral productions of the province of Ontario are set forth in Bulletin 179 of the Ontario Department Agriculture, which is issued by the Fruits experiment Stations. The fruits commended have been issued by the Commended have been issued by the Commended have been is the fruits of the commended have been in the fruits of the commended fruits and make the commended for the Lists of fruits recommended for

fruits at the various stations, the advisory board has decided upon those sorts most desirable for plenting. These varieties are given in the general list. The district lists given by the various experimenters show varieties especially adapted to the sections represented by their stations. Prominent fruit growers in various districts have supplemented the lists previously published, and which in some cases were incomplete. ere incomplete.

were incomplete.

Intending planters should secure a copy of this bulletin, which they will find most useful. The bulletin has been issued to offset the great disadvantage which faces inexperienced growers who desire to engage in fruit growing, because of the very large and configuration, makes of varieties. These confusing number of varieties. These selected lists of tested varieties are inas a guide to intending

"Peerless" The fence that stands up against every strain

Our heavy all No. 9 PEERLESS Fence, made from hard steel, English Wire, has double the strength ever re-quired in a wire fence. The galvanizing, by the "acid test," stands twice as much as that on ordinary fence wire. This means many years longer life—greater value. Do you want the best? the fence that saves expense

because it needs no repairs and lasts a lifetime.
It is rust that destroys wire fences. English Wire Manufacturers know flow to prevent this.
To this English wire add the PEERLESS method of construction and the PEERLESS lock and you have a fence without a rival.

We are manufacturers of high grade farm, poultry, ornamental fencing and gates. Write for book.

THE BANWELL HOXIE WIRE FENCE CO., Ltd., Dept. H., Hamilton, Ont.; Winnipeg. Man.

TART TODAY TO GET READY FOR HARVEST TIME

Don't put it off any longer. From now on 'till harvest you are going to be busiler every day. Your grain is likely to ripen all at once. Then you'll share every day. Your grain is likely to ripen all at once. Then you'll share every day. Your grain is likely to ripen all at once. Then you'll share every day. You can't do it unless you are prepared in a lection. That is set in a children of your needs—you must make a careful you will chosatter carefully you will chosatter carefully you will chosatter carefully you will chosatter carefully you will chosatter machines as no other machines of make it the best machine for you will as simplicity, strength, capacity to handle grain that is tangled or down; its simplicity, strength, capacity to handle grain that is tangled or down; its simplicity, strength, capacity to handle grain that is tangled or down; its simplicity, strength, capacity to handle grain that is tangled or down; its simplicity, strength, capacity to handle grain that is tangled or down; its simplicity, strength, capacity of the property of the propert

CANADIAN BRANCHES: International Harvester Company of America at Brandon, Calgary, Edm Hamilton, London, Mentreal, Ottawa, Regins, Sushatoon, St. John, Winnipog, Yorkton. INTERNATIONAL HARVESTER COMPANY OF AMERICA

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FOR TWO BEES. J. R FOR S Brown prize H. V

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EGGS subs stan retu Farr Man Ont. BARG

strai Whi prize broa cula of O dred. Ont.

MY B prize Rock and dotte Reds, breed Black mas.

Penci WANT son t missi Write Dairy for y appli

EGGS I Excel Kella

« Ke------The Field for Poultry

 W. Steinhoff, Perth Co., Ont. We had the pleasure of paying one man in the township of Hibbert, Perth Co., Ont., \$150 for 91 turkeys, Perth Co., Unt., \$150 for 91 turkeys, delivered at our plant last year during the latter part of November. This man stated that his flock had been very little trouble to him after they had a fair start and that he had only fed them on grain about 10 days at the finishing point.

very little trouble to him after they had a fair start and that he had only fed them on grain about 10 days at the finishing point.

Let me illustrate what some distrets in the United States are doing the tree of the states are doing our point. This past season we had bright the states are doing our point were superinted. He has been engaged at Stratford. He has been engaged at Stratford. He has been engaged as the state of the st ceived from 100 to 300 birds from one farmer. It is a well-known fact that even the value of agricultural land depends upon its producing capacity, and in the district referred to, farm land is selling at from \$125 to \$175 an acre

an aere.

We have recently opened a local plant at Stratford for killing, dressing and packing poultry for Messrs. Swiff & Company, who have established an excellent reputation for their poultry, both in the United States and in Great Britain. The feature that is giving us the greatest concern is to obtain a sufficient supply at this point without having to draw from too great a distance. There is no from too great a distance. There is no from too great a distance. from too great a distance. There is no richer agricultural district in Ontario than around Stratford, but not much

FOR SALE AND WANT ADVERTISING

TWO CENTS A WORD CASH WITH ORDER BEES.-Wanted, several colonies of bees.
J. R. Black, Harwood, Ont.

FOR SALE.—Six Buff Orpington and twelve Brown Leghorn pullets, \$1 each, from prize winners; Leghorn eggs, \$1 per 15.— H. Weston Parry, Princeton, Out

EGGS GIVEN AWAY in return for new Subscription as Aut in return for new subscriptions. Settings of eggs of any standard variety of fowl, given away in return for two new subscriptions to Farm and Dairy. Send to Circulation Manager, Farm and Dairy, Peterboro.

Ont.

BARGAINS — Famous Pride of Ontario strain of Rose Comb, Rhode Island Reds. White and Partridge Wyandottes, are prize-winning, record strain, layers broad-breasted, healthy, lower broad-breasted, healthy, lower price \$1.00 per setting guaranteed. Pride of Ontario Poultry Yards, Colinville, Ont.

C. BLACK MINORCAS—Stock and eggs for sale. Thirteen eggs, \$1.00. One hun dred, \$5.00.—Wm. McGhee, Sr., Beachville,

Ont.

WY BIRDS won over five hundred first prizes at eleven above. Barred and White Rocks. White and Brown and Spangled Hamburgs, Buff Orthodox and Spangled Hamburgs, Buff Orthodox, Black Javas, White Crested Black Polanda, White and Silver Laced Wyandottes, Rose and Single Combed E. I. Beds, Blue Andalusians, two pens of each breed; No. 1, 82; No. 2, 81 per 15 eggs. breed; No. 1, 82; No. 2, 81 per 15 eggs. Particles and Single Wandottes, Buff Rocks, Anconas, Golden Seabright, Bantams, one pen, only 82 for 15 eggs.—P. W. Krouse, Guelph, Ont.

WANTED-Cheese makers the coming sea son to sell subscriptions to Parm and Dairy, Peterboro, Ont. Goesh com-mission for each subscription taken. Write Circulation Manager, Farm and Dairy, Peterboro, Ont., for sample copies for your patrons. Samples sent free on application.

EGGS FOR HATCHING.—S. C. W. Leghorns, Excellent layers. Eggs, \$1 per 15.—H. Mc-Kellar, Tavistock, Ont.

UP-TO-DATE METHODS.

In the attempt to develop branch of our business in Ontario hope to be a benefit especially to the agricultural community in putting up our poultry in a systematic, up-to-date and reliable style of packing. For instance, one of the crude fea-tures in common practice in killing poultry in Canada in the past has been that of breaking the necks and leaving the blood in the carcass. Con-sumers of poultry killed in this way will confirm the statement that the nacks are always found to be filled with clotted blood, and in many cases this extends un into the trunk of the agricultural community in putting up this extends up into the trunk of the fowl. The method adopted by Swift & Company is to bleed all poultry the method adopted by Swift & Company is bleed all poultry through the month have it cleaning the skilled pluckers, packing small varieties 12 parchiment lined box in single layer parchiment are passed over the scale before being packed. All the cleaning packed and graded according to quality and weight, so that purchasers of our poultry will know just what they are buying.

By these systematic and careful methods we have to leave the control of the company of the co

of our poultry will know just what they are buying.

By these systematic and careful methods we hope to be a benefit to the trade. In this connection I may start the start of the trade. In this connection I may start the start of the trade of the start to make any material growth will only be those that develop manufacturing industries, enabling them to cater to the wants of our fast developing Western Canada, as well as to local demands. Applying the same prin-ciple to the agricultural community, ciple to the heart of the presence of the property of the property of the presence of the theory of the presence of the presence of the manufacturing the property of the presence of the manufacturing the presence of the presenc

mand exists and liberal profits.

GOOD PRICES. GOOD PRICES.

All over Canada, towns and cities are increasing rapidly with a population of consumers, and it is the business of the farmer to supply the wants thus brought to their own doors; and one of these requirements, especially during the holiday season and fall and winter, is poultry. It should also be remembered that with the increase of remembered that with the increase of wealth, our population becomes more wealth, our population becomes more particular as to the quality of the products that they place upon their tables, and it is found that where No. 1 quality can be secured, consumers are willing to pay good prices. The price of poultry to-day, compared with that of 10 years ago, is double, and yet the quantity produced in Ontario does not seem to be a produced in the constant of the produced in the constant of the produced in the

that of 10 years ago, is double, and yet the quantity produced in Ontario does not seem to be materially increased. With proper attention and the adoption of suitable conditions, poultry raising is among the most profitable of the branches of the Ontario farmer. It is also a branch with the very best prospects for the future. The returns brought in by poultry will be found to be a very acceptable adjunct to the family purse, especially at the holiday season, and by the adjunct to the family purse, especially at the holiday season, and by the adjunct to the family purse, especially at the holiday season, and by the fair amount of these returns. I believe that a fair a ment of these returns. I believe the fair of the reasons that there is not also define the reasons that there is not expected in Outraio is that farmers themselves consideration and leave it to the femalle mental to the farm, without providing the necessary facilities and rations for the devoluce. farm, without providing the necessary facilities and rations for the development of good poultry.

Milk fed to poultry in all forms, produces good results. However, it can work havoc if you do not keep the dishes clean.

attention has been given to this The Feeding of Breeding Stock branch of the farming industry.

M. A. Jull. B.S.A., Poultry Expert M. A. Jull, B.S.A., Poultry Expert for British Columbia

A variety of wholesome food, grain, A variety of wholesome food, grain, plenty of great, animal and mineral food, are essentials. The hatchalf of the six a flected by the foods used for veil as by the method of feeding. Darab, kept before the fowls at all times and, kept before the fowls at all times, to feed the dry mash in hoppers, as in this way it is kept before the mash. It is best to feed the dry mash in hoppers, as in this way it is kept before them all the time in a clean state. When, bran, cornmeal, crushed outs, middlings, beef scraps and gluten meal are most commonly used in making dry mashes. meal, crushed oats, middings, oees scraps and gluten meal are most commonly used in making dry mashes. The proportion of these materials may be varied with equally good results. It is well to balance up the ration as evenly as possible, so that the breeders may be kept in the best of health. Too maich light, bulky food, or too large, quantities of the very concentrated materials should be avoided. Some good mashes which are largely used are the following:

Mash No. 1—By measure, 4 parts bran, 2 middlings, 2 ground oats, 1 cornmeal, 1 ground barley, ½ linseed meal and ½ beef scraps. This is a very well balanced ration, though some changes could be made. The quantity of middlings may be reduced, or the

very well balanced ration, though some changes could be made. The quantity of middlings may be reduced, or the quantity of beef scraps may be slight-ly increased. If green cut bone is available, beef scraps may be taken

ly increased. If green out bone is available, Leef scraps may be taken out of the mash altogether.

Mash No. 2—By measure, 4 parts bran, 4 ground oats, 2 cornmeal, 1 middlings, 1 cut alfalfa (well cured) and 1 part beef scraps. This mash provides for green food, and care should be taken to have this well cured, otherwise there will be a great deal of fibre, which is more or less indigestible. Field beets and cabbages are other forms in which green food may be supplied the breeding stock.

Of the staple grains, wheat and oats are more easily obtained. It is advisable to use as much variety as possible. However, the grains should not shall be a supplied to the staple grains wheat and continued of the staple grains, wheat and oats are more easily obtained. It is advisable to use as much variety as possible. However, the grains should not supply their conditions of the staple green food. Whenever with enough green food. Whenever with enough green food. Whenever when the staple green food, whenever a should be allowed supply the green food and the stable of the staple green food, whenever when the stable green green food, whenever when the stable green and the stable green food and the green food whenever a staple green green food, whenever when the stable green food and the green food and the green food green food and green food green

should be allowed unrestricted range, as this gives them to a certain extent a chance to balanch their rations by means of insects and their rations by means of insects are also induced to take plenty of exercise, which tends to keep their blood in circulation. Skim milk may be given as a drink, along with water. Oyster or clam shells, as well as grit, should be constantly kent before them. These may be kept in self-feeding hoppers.

Judging a Fowl's Age

Among the methods used by the poultryman is examination of the feathers, the shanks, the spurs, of the head, and the comb. If the spurs of the male bird are long, heavy and coarse, and the scales of the shank are rough and nowen the gh and the scales of the shank a gh and uneven, the conclusion c safely reached that the fowl her old. rough

Cockerels frequently have long spurs but the spurs will be clear and free of roughness on the surface and the shanks will be smooth and clean. The same evidence can be used for hens

same evidence can be used for hens and pullets.
Old hens will have longer toe-nails, the ends of which will be worn or broken off from scratching. The scales of the shank will be coarse and rough, and frequently have dirt beneath them, while the shanks and toes of pullets are usually fresh-looking and smooth.

WRITE FOR PRICES METALLIC ROOFING TORONTO, CANADA

owls that have black shanks will You's that have black shanks will change the color with age, Older fools of this kind will have shanks and toes of an shy grey color, rather than black. Fowls with yellow shanks and legs usually turn white with age.

In pullets the points of the pelvis bone will be much closer together than they will be in old ones. Each year the space het was the spac

bone will be much closer together than they will be in old ones. Each year the space between these becomes wider. When noticeably wide apart, the hen will very likely be more than two years and the space between the space and rough, and the holes from white and the space of th

FREE! RESULTS AMAZING

Heyl's (Humus incomited with Heyl's bencentrated Nitrogen Production of the Nitrogen Product, Price for Heyl's Humus, F.O.B., N.Y. Price for Humus, F.O.B., N.Y. Pr

Special Offer to Increase Use of Our Products The first 20 farmers or garden owners replying to this advertisement will be supplied

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STANDARD NIIROGEN COMPANY Dept. 129 Singer Building, NEW YORK City

Elm Grove Poultry Farm

Guaranteed Fertile Eggs for sale from the following breeds: Rose Comb Brown Leg-horns, Silver frey Dorkings, Light Brah-mas, Barred Rocks, Mammoth Bronze Turkeys, Embden Geese, Rouen Ducks, Send for Catalogue

J. H. RUTHERFORD, Box 62, Caledon E., Ont. Telephone 7 on 8

Well Drilling

I drill a 4½ inch hole; work done summer or winter; pumps and fixtures summer or winter; pumps and fixtures summer or winter; pumps and fixtures summer or winter; purps and the summer of the fixed pumps and team drilling machines. Time give if needed by notes. Worth your while to write for terms and prices this year, to

ARTHUR CAMPBELL L'Orignal, Ont.

Peerless Lawn Fence

paint. Never sags, never rusts, improve your property with a Peerless Fence. Cheap as wood sad more handsome and durable. Also full line of farm and poultry fence and , ates. Write for information. THE BANWELL HOXE WIRE FENCE CO., Ltd.

Dept. H, Hamilton, Ont., Winnings. Mass.



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THE SUBSCRIPTION LIST OPENS AT THE OFFICE OF THE QUARDIAN TRUST COMPANY, LTD.,
TORONTO, ON MONDAY, APRIL 25th, 1910, AND WILL BE CLOSED ON OR BEFORE
MONDAY, THE 9th DAY OF MAY, 1910, AT 3 P. M.

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AT PAR, \$100 PER SHARE \$2,000,000 of the 7 p.c. Cumulative Preferred Stock, with a bonus of 25 p.c. Common Stock, of

MILLING CO

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CAPITAL STOCK, Issued and Fully Paid Up PREFERRED, (7% Cumulative)

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\$2,500,000 2,500,000

\$5,000,000

GUARDIAN TRUST COMPANY, LIMITED

Is prepared to receive subscriptions for \$2,000,000 of the above seven per cent, cumulative preferred stock at the price of \$100 for each share, with a bonus of common stock equal in par value to 25 per cent, of the par value of the preferred stock allotted, to be delivered on payment of subscription in full. In Instalments as follows, in which case interest at the rate of \$ per cent. will be charged.

10 per cent. on Application.

21 per cent. on Allotment.

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23 per cent. on ist. 101, 1910, and

25 per cent. on ist. 101, 1910, and

25 per cent. on ist. August, 1910.

Subscriptions will be payable as follows:

10 per cent. on Application, and

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100 per cent

The right is reserved to allot only such subscriptions and for such amounts as may be approved and to close the subscription book without notice.

Application will be made for the listing of the securities of the Company on The Toronto Stock Exchange.

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NEW COMPANY A COING CONCERN.

MARKET FOR OUTPUT.

MARKET FOR OUTPUT.

The rapid growth of the business of the two companies taken over has made to apparent the necessity of additional milling capacity of the companies of the total output from the West Termendous in the companies of the compani

SECURITY AND EARNING POWER: The assets of the old Companies taken over as above stand in excess of all liabilities and without any allowance for good-will, trade marks, etc., at \$3,770,524.11, this led, as of March 17th, 1910, of the capital assets taken over, and the certificate of Messrs, Price, Waterhouse and Early and the certificate of Messrs, Price, Waterhouse for all graphs, as of February 28th, 1910, as to current assets accurrent inabilities, with allowance for all graphs of the completion of a 5,000 barrel mill and a milled journal and an interest of additional cash, which, beat possible price of the completion of a 6,000 barrel mill and a milled journal elevator and corage warehouse working capital. As per certificate of Messrs, Price, Waterhouse & Company with further carnings of the old Company on the present plant amounted from September 25th, 1908, to August 20th, 1909, to And from August 21st, 1909, to February 28th, 1910, to

And from August 21st, 1909, to February Zein, 1910, to.

Silbeing for the latter period at a rate equal to over 13 per cent, on the preferred stock of the Company. \$166,793.29 LOCATION OF MILLS AND MANAGEMENT.

Mr. Hedley Shaw and Mr. D. C. Cameron, under whose direction the properties of the old companies have been developed. It is a first integer interests in and be actively identified with the properties of the old companies have been developed. A complete new 4.600 barrel mill at Port Colborne is without any the properties of the propert

Prospectuses and forms of application may be obtained at any branch of the Imperial Bank of Canada or The Royal Bank of Canada, from Guardian Trust Company, Limited, Toronto, and from Cawifira Mulicok.

APPLICATIONS FOR SHARES SHOULD BE MADE UPON THE FORM ACCOMPANYING THE PROSPECTUS AND SHOULD BE SENT TOGETHER WITH THE REMITTANCE DUE ON APPLICATION.

ANY BRANCH OF

THE IMPERIAL BANK OF CANADA OF ROYAL BANK OF CANADA

GUARDIAN TRUST CO., Ltd., Toronto or to CAWTHRA MULOCK & CO. Members Toronto Stock Exchange ROYAL BANK BLDG., TORONTO, ONT.

Rural Free Mail Delivery

Rural Free Mail Delivery

In the House of Commons last week
Mr. J. E. Armstrong of East Lambton brought up the subject of free rural mail delivery. "The present paltry
system," he said, "merely leads to the
creation of contention and strife in
the rural districts." The mails are
delivered only on existing mail or
stage routes and only in certain porstage routes and only in certain pordelivery as those residing on existing
ivery as those residing on existing
ivery as those residing on existing concessions just as good a right to the davantages of the rural free mail delivery as those residing on existing mail or stage routes? Why should the men on these routes have their farms increased in value, as they undoubtedly are, by their enjoyment of the advantages that come from the delivery of the mails at their very door, and the people who live a mile or so away, perhaps in a more thickly settled portion of the country, be deprived of the advantages?"

It wants to deprive the deprivation of the farms of the delivery of the delive

has come in some of the older provinces when the population is decreas the older provinces when the population is decreas-ing yearly instead of increasing in the rural districts. Take the Province of Ontario; the Deputy Minister of Ag-riculture of that Province made the statement that while in 1889 the pop-ulation was 1,108,874, in 1880 it was only 1,047,018, showing a reduction of 61,858. The cities have increased in number but not the rural districts,

Worth \$5.00 a Year

Enclosed is my renewal to Farm and Dairy for another year. 1'could not think of do-ing without it. Farm and year. I could not think of do-ing without it. Farm and Darry is certainly a boon to the agricultural interests of farmers in Ontario. I would not be without Farm and Dairy for \$5 a year.—Fred Chase, Prince Edward Co., Ontario.

and many people from the rural dis-tricts have gone to the Northwest where they can get the advantages which they do not enjoy in the older provinces, and which advantages are a great inducement to people to re-main on their farms."

main on their farms. People to remain on their farms.
"The day the continued,
"When we must give to the people in
the rural disperse advantage to
induce them to remain absectic cars,
but free mail delivery at their doors.
The expense of running a their doors.
The expense of running a money to see
mails, especially when wages are
mails, especially when wages are
free mail delivery will bring the farms
free mail delivery will bring the farms
and rural communities in closer confree mail delivery will bring the larms and rural communities in closer con-nection with commercial centres. It nection with commercial centres. It encourages the improvement of coun-try roads, and by making rural live try roads, and by making rural live attractive it stimulates agricul-ture. It has been the means of in-creasing the value of farm lands."

Items of Interest

There have been established free rural There have been established free rural mail delivery routes as follows: Prince Edward Island, 36; Nova Scotia, 6; New Brunswick, 16; Quebec inspection division, 8; Montreal, 2; Ottawa, 2; Kingston, 25; Toronto, 42; London, 3; Winnipeg, 21; Moose Jaw, 8; Sakataon, 3; Edmonton, 13; Calgary, 6; Vancouver, 7; Victoria, 7.

A cup presented by Hon. G. H. Murray, Premier of Nova Scotia, for the best judging of live stock at the Truro Agricultural College was awarded to E. S. Leonard of Paradise, Annapolis County. Forty-two students contested for the cup.

Renew your subscription now.

2.55

Pure Bred Sires as an Investment

ment

M. H. Gardener, Supt. Advanced

Registry, Delovan, Wis.

It is evident to a student of Holstein-Friesian official reports that by
the use of well bred sires and developed dams, Holstein-Friesian breeders
are producing animais of greater capacity, as well as acquiring greater skill in the development of that capacity, also that the improvement is
but slightly dependent on an increased percentage of fat in the milk, resulting almost entirely from increased
milk production. I note that increase percentage of fat in the milk, result-ing almost entirely from increased milk production. I note that increase in milk is the object of most farmer dairymen in introducing Holstein-Friesian blood into their herds, but sometimes they go at it in a queer and discouraging way.

discouraging way.

A man who reads these reports as published in the dairy press writes me about a neighbor of his that is working into Holstein-Friesian cattle by using a fine-looking half-blooded bull, nearly half of his calves being black-and-white, and who intends to use a pure-bred bull as soon as they become a little absence. pure-bred bull as soon as they become a little cheaper. Such a man, in his efforts to improve his herd, is doomed to failure, for he has started wrong; and because Holstein-Friesian blood, even in small quantity, is apt to affect color, he will be apt to hold that breed responsible for his ill success. As he does not read dairy papers, he will never stop to think that the progeny never stop to think that the progeny control to the blood hull carry but one-fourth the progeneration of the blood hull carry but one-fourth the blood fourth the blood he desires, and that the one are manned offset the preponderating manned offset the preponderating the prepond

creamery, the condensary or the ship-ping station. Point out the benefits, and urge them to subscribe for a good dairy paper; for if you can only get them to reading and thinking, you will find it easy to sell them pure-bred bulls. The question is not so much as to whether they can afford a pure-bred bull as it is as to whether they as to whether they can afford a pure-bred bull as it is as to whether they can afford to do without one, moving along in the old way, and using a scrut or grade. Offer to sell such a man one of the old-fashioned narrow width tools, be it plow, harrow, drill, mower, rake, or any other, and he will quickly tell you that he is not farm-ing for his health, and that he cannot afford to have high priced help on high priced land monkeying time away with such narrow gauged tools. By readpriced land monkeying time away with such narrow gauged tools. By read-ing a good dairy paper he will soon apply the same logic to the waste of time resulting from the use of narrow gauge cows.

gauge cows.

Suppose that a man pays out \$100
for a pure-bred Holstein-Friesian bull
and raises but 10 of his heifer calves.

Suppose that each of these calves on
coming into profit yields but one
pound more of milk at each milking
than did hot dam at the annual the pound more of milk at each milking than did ber and the same age, an amount to cam at the same age, an amount to cam at the same age, an amount to come with the working would amount to 600 lbs. for the 600 would amount to 600 lbs. for the 100 word amount to 600 lbs. for the 100 word age value of not less than 87.50, or 875.00 ay ear gain for the 10 beiders. But the average milking period for a cow is fully six years, which would bring the total gain to \$450.00 for the 10 bead. In actual practice, a bull, especially when used by neighbors, begels several times 10 daughters, and gets several times 10 daughters, and gets several times 10 daughters, and the individual gain in production of the daughters over their dams is much greater; so that instead of the \$100 outlay being contrasted with \$450.00 gain, the gain is more apt to be much over \$1,000. What other investment could show such a percentage of profit?

Renew your subscription now.

Our Veterinary Adviser

GROWIN IN NOSTRIL—I have a valuable young Updosdale near registered; coming three years old, that has for several months been troubled with a swelling in the left nostril, about half way down the nose. About last December she had an attack of influenza which seemed to settle in her nostrils. The right nostril experiment of the property of the prope GROWTH IN NOSTRIL -I have a valu-

I have consulted three veterinary sur-geons and none of them can reli me what is the cause of the swelling, or what to do for it. About two months ago one of them discovered that the mare had a badly ui-cerated tooth on the lets isde, just about in a line with the swelling in the nostril, and he thought that possibly this was the cause of the trouble. The tooth was re-moved, but the swelling still remained. One of the men said he thought the only reme

moved, but the swelling still remained. On of the men said he thought the only reme dy was an operation, but said he would not eare to attempt it himself; and you notised waiting for a time, as it was possible that the swelling would go away of its own accord. It apparently is not going to do so. What method of treatment would you advise? Do you think an operation no-cessary? B do not like to use the potassium beidse treatment, for fear of injuries and the said of the s

means of successful treatment will be an operation. The nature of the operation will depend upon the nature of the growth. The diseased tooth mentioned may have caused an enlargement of the bone, and if so, this would have to be removed by bone would have to be removed by bone forceps or chisels. The growth may be fibrous, in which case it will not be so hard to remove. Then again it may be an abscess, in which case the operation would be simple, simply consisting in puncturing the abscess to

consisting in puncturing sallow the escape of pus.

If there be no external enlargement and the growth be bony or fibrous, the and the growth be a very difficult one, operation will be a very difficult one, as it is situated so far back it will be hard to reach. If it can be operated on from the outside it will not be so difficult. I do not think the iodide of potassium treatment or any interor potassium treatment or any inter-nal treatment would be effectual. This treatment will not injure the mare more than reducing her in condition. It is possible that a successful operation cannot be performed. The vet-erinaries who have seen the case will be in a better position to give an opinion than I.

A Profitable Feeding Trial (Continued from page 2)

(Continued from page 2)

Interest om money for necessary shelter was nil, as the shed provided could not be considered as necessary. The cost of labor and interest on money invested in cattle for the 109 days is much more than offset by the value of the manure produced and available for application to the land. It is considered a wise policy to provide against contingencies, and it is quite possible that those who now regard farm yard manure as an evil to be disposed of with the least possible lalor may live to regard it as a blessing. If grain may be given an increased market value by feeding it on the farm, a double advantage is secured; first, a larger profit in the production of grain, and second, in the manure produced, and insurance the manure produced, and insurance the manure produced, and insurance in the manure of the good crops for which the naturally rich land of the west is already famous. 16 will be seen that

the labor cost was low and that one man could feed 100 head working 10 hours a day. Where a spring or stream supplied water a much larger number of cattle could be handled in

In the bunch were a number of two year-old cattle; these did not stand high feeding as well as the three-yearolds, and from this work this winter it is thought safer to feed two's and three's by themselves. One two-yearthree's by themselves. One two-year-old steer gradually failed and finally died, being unable to stand the feed. died, The three-year-old cattle gave no trou-

The three-year-old cattle gas, ble in this respect. One feature of this work worthy of special notice is the fact that frozen special notice is the fact that frozen wheat which was worth in the fall 35 cents a bush, when fed and marketed cents a bush, when fed and marketed control was given a value of \$1.28 a

The following table gives the re-

Number of steers in lot . . . Gross weight weighed in ... 20337 lbs.

Average weight weighed in 1130

Number of days fed 109
 Number of days fed
 109

 Gross weight Mar. 30
 23720

 Average weight Mar. 30
 1318

 2000
 1000
 Average weight Mar 30 ... 1318
Total gain in 109 days... 3383
Average gain per head ... 188
Average daily gain per head 1.72
Aver. cost per 100 lbs. gain... \$7.42
Value per bush. of frozen
wheat fed and marketed as
beef

at 3.698 a lb.
26216 lbs. prairie hay at
\$6.00 a ton
9123 lbs. timothy hay at
\$7.00 a ton
20810 lbs. frozen wheat chop
at \$\frac{2}{3}\$ of lc. a lb.
145 lbs. salt 8744.01 78.65 31.93 138.73

Total cost The cost of 222 hours' labor and interest (\$18.75) on money invested in cattle is not figured, but it is more than covered by value of manure available for application on the land.

RECEIPTS.

Total receipts \$1300.45 \$995 03

the same time

18 steers av. weight 1130 lbs. at 3.658 a lb. 26216 lbs. prairie hay at

\$49.69 Less 51 pounds hide at 5c...

47 14 Profit of \$305.38 less \$47.14.. Average profit per head after covering this loss 14.35

Renew your subscription now.

Kendàl Spavin Cure



The cure that saves horsemen and farmers millions of dollars every year.

It is known the world over as the remedy for Spavin, Curb, Splint, Ringbone, Bony Growths and any Lameness.

Cases just developing and old, stubborn sores and swellings readily yield to the wonderful curative owers of this famous remedy.

Orangeville, Ont., Dec. 21, 'o8 "We had a horse which was getting very lame on account of a Spavin. I was anxious about him as we could not work the beast when we most needed him.

Our teamster saw Kendall's Spavin Cure in the store and

I am pleased to say he had success as the horse has stopped limping and is doing his day's work."

W. A. NICHOLSON.

Don't worry about Spayins, Growths, Swellings or Lameness, but use Kendall's Spayin Cure. It cares every time. The world's best liniment for man and beast.

\$1. a bottle—6 for \$5. Get ou book "A Treatise On The Horse," free at dealers or from us. Get our

Dr. B. J. KENDALL CO. Enosburg Falls, Vt.



the naturally rich land of the west is already famous. It will be seen that Agents wanted in some localities

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FARM AND DAIRY

AND RURAL HOME

Published by The Rural Publishing Company, Limited.



I. FARM AND DAIRY is published every Thursday. It is the official organ of the British Columbia, Mantloba, Eastern and Western Ontario, and Bedford District. Western Ontario, and Bedford District. The Canadian of the Canadian and der-sey Cattle Breeders' Associations, and der-sey Cattle Breeders' Association.

Sey Oattle Breeders' Associations.

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New subscrivers.

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the banks.

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

5. ADVERTISING RATES quoted on application. Copy received up to the Friday preceding the following week's issue. of the Invite Farmers to write us on any agricultural topic. We are always pleased to receive practical articles.

CIRCULATION STATEMENT

CIRCULATION STATEMENT
The paid subscriptions to Farm and
Dairy exceed \$3.28. The actual circulation
of each issue, including copies of the
office of the copies of the cop

OUR PROTECTIVE POLICY

We want the readers of Farm and Dairy to feel that they can deal with our adverters of the second of

FARM AND DAIRY

PETERROPO, ONT.

A CAPABLE OFFICIAL NEEDED

The review of the work of the Dominion Department of Agriculture that was given by Hon. Sydney Fisher in the House of Commons recently was interesting and instructive. It shows that the Department has made great progress and performed work of immense value to the farmers of Canada. Hon. Sydney Fisher may well feel proud of the record he has made as well as of the good work that has been done by his officials. non. Mr. Fisher showed his large calibre by freely praising such public officials as Dr. J. W. Robertson, Dr. Saunders, Dr. Rutherford and Mr. J. H. Grisdale for their good work and by refraining from trying to take all the credit for the government.

While Hon. Sydney Fisher is to be congratulated upon the progress that has been made, there are some features of his report that are disappointing. For instance, it showed that the total expenditure of the Dominion Government for agricultural purposes during 1900 amounted to inclusive, the figures for 1909 not be. Canadian packers and producers. If

dollars. Do such expenditures bear the right proportions to each other?

While the Department of Agriculture has accomplished much good work, this is not the time for it to rest on its oars. In fact, there is need for advancement in all the branches of the department's work. As the Danish product was \$1.86. we have pointed out before, the greater part of the good work that has been accomplished by the Dominion Department of Agriculture has resulted from work that was initiated while Dr. Jas. W. Robertson was Commissioner of agriculture. What the Department needs more than anything else is a capable Deputy Minister of Agriculture, With a competent Deputy Minister of Agriculture, there would be a great extension in the work of the Department of Agriculture and a marked increase in its usefulness to the farmers of Canada. While Hon. Mr. Fisher has repeatedly demonstrated his ability as the head of the department, his time is so fully occupied with puone matters it is necessary that he shall have as his deputy minister, not a lawyer, as at present, but a man who understands thoroughly the principles of agriculture and the needs of the farmers of Canada.

CHARGES DISPROVED

One of the most important features of the report of the Dominion Swine Commission is the flood of information it furnishes proving that the charges that have been hurled against our Canadian packers of manipulating prices for their own benefit have not been founded on fact. These charges probably have done more to create discontent among our Canadian hog producers and to cause many to give up the production of hogs than any other one factor. Although these charges have been strenuously denied by our packers, their denials were not generally believed, and a feeling of distrust was created which has worked untold harm.

The report of the Swine Comission shows that in spite of the fact that the majority of the packing establishments in Denmark are owned by the farmers, the prices the Danish farmers have received for their hog products have shown an even greater variation from month to month and from year to year than the prices that have been paid to our Canadian farmers. More than this, it shows that the variation in prices in Denmark and Canada have occurred at the same times and in practically the same degrees. shows further that the prices paid in both countries have fluctuated exactly in proportion to the fluctuations in the value of the finished product on the British market.

One table contained in the report shows the comparative prices of Canadian and Danish bacon on the British market during the years 1909 to 1908,

only \$807,000. The expenditures on ing complete. The lowest average price this proves to be the case, the sending Militia and Defence this year, includ-paid for Canadian bacon in any one of the commission of farmers to Den ing those on the proposed new navy, year was in 1904, when the average although they will not increase the price was \$4.98. The highest aver- times over. revenue of this country by one dollar, age price paid was \$6.68, which ruled will amount to some ten millions of in 1996. For the Danish product, as was the case with the Canadian, the lowest price paid was in 1904, averaging \$6.19, while the highest price was paid in 1906, averaging \$8.05. Thus the variation in the prices paid for our Canadian bacon was \$1.70, while the variation in the prices of

Another table gives the average prices paid the Danish farmers for their hogs from 1888 to 1908. The lowest price they received was \$11.02, in 1896, and the highest price, \$16.63, which was paid in 1906, showing a fluctuation in values of \$0.61. The table shows that there was a considerable variation in values every year. The prices in Canada have not varied to a greater extent.

Still another table gives the selling price of Canadian and Danish bacon in England from 1904 to 1907. The lowest price paid for Canadian bacon was paid in December, 1904, and was \$10.46. The highest price paid for Canadian bacon was paid in September, 1909, and was \$17.37. Thus there was a fluctuation in values during the six years of \$6.91. The price paid for the Danish product varied in exactly the same proportion and at the same dates; the lowest price having also been paid in 1904, it being \$12.34, while the highest price was also paid in September, 1909, being \$18.49. In these cases the fluctuation in values was a little greater in the Canadian product, amounting to \$0.91, than it was in the Danish, which amounted to \$6.15. when, however, we examine the prices paid for the Canadian and Danish products during each month of the six years, we find that in five out of the six years, there was a greater variation in the prices paid for the Danish product than there was in those paid for Canadian bacon.

The average price paid for hogs on board cars at country points in Ontario during the first seven months of 1505 was \$7.20, while the average price \$7.92. During the same months, the average price per hundred pounds of Canadian bacon in London was \$15.21, while the average price paid for Danish at the same time was \$15.84. Thus the price of hogs here was practically even with that paid in Denmark, when the difference in the selling value of the bacon made from hogs in the two countries is taken into account. One of the reasons why Danish bacon realizes a higher price on the British market is due to the fact that it is landed in fresher condition.

These figures indicate that our Canadian packers have been paying our Canadian farmers proportionately as much for their product as the Danish farmers have been paid for their hogs which they have been marketing the overrun compared with the piformation should help to heal this sore spot with the producers and bring as to whether or not each individual about a better feeling between our

mark will have paid for itself many

MANGELS ARE VALUABLE FEED

New light on the feeding value of mangels is brought out in a recent bulletin of the Cornell Experiment Station, which bulletin is reviewed elsewhere in this issue. Kesults obtained from the experiments seem to warrant the conclusion that mangels may be used economically in the ration to replace one-half the grain originally fed when mangels can be produced ready for feeding at \$4 a

The facts brought out in these experiments are of prime interest to dairymen. They suggest wonderful possibilities in reducing the cost of rations for dairy cows. Old Country feeders have always appreciated the economy of roots, and it would seem that roots have been a most important factor in making it possible for these Old Country farmers to make profits from their stock raised on high priced land, and for the use of which heavy rents are exacted.

Since the introduction of the silo and the greatly increased use of corn silage in the dairy sections of Ontario, there has been an inclination on the part of many feeders to do without mangels owing to the greater amount of labor required in their culture as compared with corn. Mangels can to a large extent be replaced by corn silage. It is a mistake, however, to think of doing without roots, and in view of these recent investigations which have shown the feeding value of mangels to compare so favorably with more costly feeding stuffs, the importance of mangels should not be overlooked.

INACCURACY VS. CORRECT **METHODS**

Much concern has been aroused over the discussion of scales vs. pipette in cream testing as carried on during the past few months in the creamery department of Farm and Dairy. Practically everyone agrees that the scales paid at factories in Denmark was afford a correct method in sampling cream for the Balcock test. Opinions are widely diversified on the accuracy of the pipette method. One well known dairy authority states that to the pest of his knowledge creamery managers are not employing correct methods in making the test. Another well known authority expresses doubt if the scales are any more correct, or just, than is the pipette in the hands of a careful man.

Practical makers who have had several years' experience in the use of scales for measuring samples of cream contend that the scales are most efficient; that once accustomed to them, one can measure samples more speedily than with the pipette; and that while the scales are somewhat hard on pette, they prefer to use the scales, patron receives justice for his cream.

Many and curious are the arguments

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Mr. nect Fari ily I ner by t and resu train

It the each try, is ev recer ject

advanced against the use of the scales. It is claimed that the average maker is not competent to conduct the test when the scales are used. In reply to this it may pertinently be asked, is such a maker competent to conduct the test when the pipette is used: It is stated that the average scale is far from accurate and that the conditions in which these would be kept in average creameries are such as to render them inaccurate in a short time. Others claim that it would take too much extra time to make the test if the scales are used for sampling.

The testimony of such well known men as John H. Scott, given elsewhere in this issue, F. A. Keyes, Wm. Newman, J. A. Waddell, Chief Instructor Publow, Instructors Singleton and Mack Robertson, and others, who have advocated the scales in recent issues of Farm and Dairy, these men having based their information on the results of practical experience, is positive. In much of the evidence advanced in favor of the pipette there has been an element of doubt. Add to this the fact that the Government Creameries in Saskatchewan have found it advisable to adopt the scales, also the fact that New York state, Wisconsin and other States have found it necessary to enact legislation making the use of the pipette unlawful, then what shall the verdict be? We are content to leave the answer with our readers.

Some creamery managers and others have censured Farm and Dairy for making public facts concerning our creamery business. The argument has been advanced that creamery patrons should not know too much and that Farm and Dairy has presented a prejudiced and one-sided view of this important matter. The creamery business of Ontario is surely in a most unhealthy state if it cannot bear the light of investigation, and the sooner patrons are acquainted with all the facts, the sooner will the business right itself and be established upon a firm foundation.

The excellent manner in which the report of the Dominion Swine Commission has been compiled reflects credit on the secretary of the Commission, Mr. J. B. Spencer, of the Dominion Department of Agriculture. Mr. Spencer was for some years connected with the editorial staff of the Farmers' Advocate, and of the Family Herald and Weekly Star. The manner in which the information gathered by the Commission has been classified and presented in the report shows the result of Mr. Spencer's newspaper training.

Pointers on Calf Raising

Pointers on Calf Kassing
It is said that about 70 per cent. of
the dairy calves reared in Wisconsin
each year must be raised on skim milk.
The same may be said of this country, and for Ontario in all probability the percentage of skim milk calves
is even greater. Prof. D. H. Otis of
the Wisconsin experiment station has
recently issued a bulletin on this subject of skim milk calves. Some extracts from this bulletin follow:
By good care and proper feeding
several dollars may be added to the

value of any calf during the first year. The total increase by this means would amount to millions of dollars to dairy

Young calves need whole milk for the first few days. Skim milk is a cheap food for calves, but should be fel carefully in limited quantities and only while it is warm and sweet. Skim only while it is warm and sweet. Skim milk may form the principal diet of the calf for six months to a year. Factory skim milk should always be pasteurized to avoid the spread of tuberculosis. The best skim milk is that which is fresh from the separator and warm.

which is fresh from the separator and still warm.

Experiments show that it is only one-fourth as expensive to raise a calf on skim milk as on the whole milk. Two pounds of grain with the property of the pr

er combinations.

The management of the calf during the first year has much to do with its later usefulness. Plenty of water and salt should be given in clean vessels. Studden changes of diet should be avoided and regularity in feeding should the practised. Warm, dry quarters should always be provided in damp weather. Plenty of roughage damp weather. Plenty of roughage the provided in the provided of the provided in the provid

PUBLISHER'S DESK

Swine Report Appreciated

Swine Report Appreciated
Farm and Dairy is gratified that the
members of the Dominion Swine Commission who visited Europe have been
able to present such a splendid report
and that this report is being received
with such interest throughout the Dominion. Speaking in the House of
Commons recently about the report,
Hon. Sydney Fisher stated:

"It is evident from the demand:
"It is evident from the demand."

"It is evident from the demand
"for the report, that it has re"ceived acceptance not only at the
"hands of the people of the coun"try, but also at the hands of the
"members of the House of Com"mons."

It was Farm and Dairy which sugested that this commission abould be sent to Denmark. We take pleasure, therefore, in the fact that the report that has been presented by the commission is of such an illuminating character and so thoroughly instructive. Our suggestion when first made was adversely commented on by one or two of the other agricultural papers as well as by some farmers. Even Hon. Sydney Fisher, as he stated recently in the House of Commons, did not at first see the necessity for the control of the Dominion Swine Breeders' Association took up the suggestion and advocated the appointment of the Commission in the columns of Farm and Dairy, the commission would never have been appointed. While the expenses of the commission would never have been appointed. While the expenses of the commission would never have been appointed. While the expenses of the commission were considerable, the report that has been secured will be of value to our swine breeders and country for many years the in Canad will do much to clear the arrange of the commission will derive will far more than offset the cost of the commission new. It was Farm and Dairy which suggested that this commission should be

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Circulation Department

FARM AND DAIRY

PETERBORO, ONT.

some mention was made in these col-umns as to some proposals concern-ing the dairy industry of Quebec that were being embodied in the form of legislation. In reply to our enquiry as to just what it was proposed to do, Hon. J. S. Caron, Minister of Agri-culture for Quebec, writes Farm and Pares as challence.

culture for Quebee, writes rarm and Dairy as follows: "I had proposed to remodel the in-spection of cheese and butter factor-ies this year, but I have not been able

spection or encese and butter factories this year, but I have not been able to put this proposition into execution for different reasons. The matter has been postponed until next year, when been postponed until next year, when the properties of the direction of the Department of the direction of the Department of the ter ever made.
"I have also before the House a

bill to regulate the construction of factories. This bill is about the same as the law passed by the Ontario Legislature last year.

Legislature last year.

"I expect that this measure will help to better the condition of cheese and butter making in the Frovince; and if I can realize my proposition reinspection next year our cheese and butter organization will then be bearford."

An Explanation of the Difference

Editor, Farm and Dairy,—I have never used the scales in testing sam-ples of cream. I have found the pipettle to be quite satisfactory. In regard to the difference shown in the regard to the difference shown in the two methods as per the circular from Cornell Experimental station, N. Y., I would say it is been use the cream had not been kept in tion, in which case the globules of fat are swollen and consequently the pipette cannot be gotten to obtain the full amount of 18 grams.

Under the present percentages of cream there is no inducement for a patron to skim a heavy cream, because

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Creamery Department of the control o

Pipette O.K. with Careful Men

Editor, Farm and Dairy,-In refer-Editor, Farm and Dairy.—In reference to the article on cream-testing by Mr. Stonehouse in Farm and Dairy March 31, also the circum letter from the Cornell Experiment Station published in Farm and Dairy March 10, in a word, we have found very satisfactory results in testing entitle a 9 c. c. or an 18 c. c. pipette. The article giving the the Cornell Station is rather entits at the Cornell Station is rather entits at the Cornell Station is rather ling, as a 17.6 c. c. pipette should are be used for testing cream. There is no injustice done to patrons, saive

or bused for testing cream. There is no injustice done to patrons, using either a 9 c. c. or 18 c. c. pipette when testing cream up to 30½ fat. Above 30½ fat, it is advisable to add something to the readings.

We have found a convenient factor to be one-tenth for each percentage of fat above 30. For instance, if the reading were 35, then we should credit the patron with 35.5½ reading were correct, or just, that is a pipette in the hands of a careful men.—Prof. H. H. Dean, O. A. C. Dairy School, Guelph.

Scales vs. Pipette

John H. Scott, Huron Co., Ont.

I have been very much interested in I have been very much interested in the discussion through these columns of Farm and Dairy to pipette and scales for sampling, each for the Babcock test. I gather that all agree that the scales, if properly use for the properly use for the correct quantity of ere in farming the test regardless of guality of cream test. That being so, why of cream tested. That being so, which we can be the properly used to be said in discussion of the matter?

matter, When we have arrived at a prac-tical method, that is ab olutely correct, tical method, that is absolutely correct, why introduce or even continue methods in which there is any doubt whatever of the accuracy thereof?

With the cream scales now on the

with the cream scales now on the market, the question of time has dis-appeared to those accustomed to the scales. In fact, I believe that in scales. In fact, I believe that in sampling of cream, especially in gath-ered cream creameries, where compos-ite samples are used, that the differ-ence in time required is in favor of

the scales. There is the cost of the scales. But I would like to ask, Is it not worth the price of a set of scales to know that the cream is being tested by the material to the butter and the control of the control of the control of the control of the cream scale for through an and have tested as high has the state of the control of t

I realize the fact that the use of the scales is a little hard on over-run compared with the use of the pipette. That, however, is only another ment in favor of the scales.

Justice To All .- I have used the Justice To Ail.—I have used the scales when testing cream with the Babcock test and I find that they give better satisfaction than the pipette and when they are used justice is given to all. I can make 24 tests in one hour without any tenble, weighing them out with the scales. I have now used the scales for two years and would not return to the pipette.—Sam Brill, Bruce Co., Ont.

Care and Shipping of Cream

The Birch Hills Creamery Co., which perates one of the most successful reameries in Saskatchewan sends out the following circular to its patrons.

Many points contained in it are of
particular interest at this season.

Remember your ice supply, as no dairyman can afford to be without ice in summer time.

In summer time.
Secure at least 10 good cows, and have them well looked after by giving them good clean water to drink, and see that they have good ventilation while in the stable.

while in the stable.

If you have not a separator, get a good one, as the extra cost will soon pay for itself.

pay for itself.

Separate your milk at 90 degrees, or higher, as it will give a better separation, and have your cream screw set to deliver a cream testing from 30 to 35 per cent. butter fat.

Cool the groun down to 50 degrees.

from 30 to 35 per cent. butter fat.
Cool the can down to 50 degrees,
or lower, and the white cooling. Keep
or lower, and the white cooling. Keep
mining all offers of the control of the cooling.
Keep mild begin the will be cooling the will
keep mild be about the will
take in a bad odor very and take in a bad odor very.
When shipping by rail provide yourself with at least two cans. These can
be secured from a hardware store, or
from the Creamery Co. at a reason-

from the Creamery Co., at a reason-

able price.

Before putting cream in cans rinse
them out with clean cold water, and
keep the can in a clean, cold place,
until ready to deliver to creamery.

until ready to deliver to creamery.

Remember at all times to use your
thermometer, and not judge the temperature by the touch of your finger.

Deliver your cream in hot weather,
and do not hold it until it gets off
abover. and then have it rejected. This

flavor, and then have it rejected. This will not pay you. PRICE DEPENDS ON QUALITY The market depends on the quality of the butter. The quality depends on the farmer. If he sends an old or off flavored cream, he cannot ex-

beet it to bring a high price.

When shipping cream by rail see that your cans are marked with your name and address, so it will not go

astray.

And be sure to have your lid secure, so as to prevent the cream spilling out in case of an upset. The railroad will not be responsible where the lids are not fastened to can.

When taking cream to the cream-

road will not us conditions and the cream-lids are not fastened to can. When taking cream to the cream-ery, or station, in summer time, be sture to cover the can, to prevent the sture to cover the can, to preven the lot sun striking it. A good plan is to soak a blanket in cold water and to soak a blanket in cold water and

to soak a blanket in cold water and put this around the can.
When the cream at sease the factory, it is examined in regard to \$p_3\$-vor. If found all right it is displayed and emptied, and the con washed and scalded, and returned to worrer as quickly as possible to the control of the contro

ted up for the farmers drawing their own cream, where they can wash and scald their cans in a few minutes, and it is the request of the Superintend-ent that each one use it.

A careful account is kept of each can of cream, an account sent in to the Superintendent at Regina every two weeks, and a cheque and statement is sent back to each person. The statement hears the number of the sent back to each person. ment is sent back to each person. The states of the sent bears the number of pounds deliverable bears the number of pounds of butter last the number of pounds of butter last the sent bear of the sent on even pounded the dayance price on even pounded the properties of the H at saw time you happen to on in Birch Hills, be sure and visit the creamery, and we will be beased to show you through the creamery and how the testing is done.

Any information that you may want recarding the handling or shipping

regarding the handling or shipping of cream will be gladly furnished by the Manager J. W. Gibson.

Ice cream ought to be dealt with in I ce cream ought to be dealt with in the pure foad act. A lot of the so-called ice cream does not contain good cream and is injurious to health. Con-sumers ought to be guaranteed the the ice cream they purchase contains wholesome cream.—R. Reid, Waterloo Co. Sec. Canadian Jersey Cattle Club.



The practically empty pan contains the only piece used Inside Sharples Dairy Tubular Cream Senty Ir books. It is smooth, tiny, instantly respectively the property of the prop

on a Tubular



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*********** Cheese Department

Cheese Department
Makers are invited to send contributions to this department, to ask questions on suggest subject for discountaining and to letters to The Cheese Maker's Department. ******

Uniform Brands for Cheese

Those in the various cheese districts of Ontario should give serious consideration to the matter of a uniform brand for all cheese from their particular section. The uniform brand adopted by the cheese factories of Prince Edward County has become a considerable factor in keeping up the name of their cheese.

This matter was brought up for consideration at the recent annual convention of the Peterboro Cheese Makers' Association. A resolution was passed urging the salesmen of the Peterboro cheese board to adopt and put into practice this matter of having the cheese from the Peterboro district branded uniformly.

adian summer and early autumn cheese has a character distinctly its own and therefore commands the top price on the market, although some of the Canadian cheese could be classed only as seconds. We are glad to know that the Canadian summer cheese and early autumn cheese, at any rate, fits into a hungry spot in the British market as no other cheese the commercial control of the control of the commercial control of the control o can. But we must also recognize the fact that there is great room for ad-vancement. What can makers do in this particular? Mr. Publow advo-cates that makers visit their patrons because it is his firm opinion that ev-ery factoryman knows best what are for this patrons and there-fore there are the patrons and there-fore there are the patrons and the con-traction of the patrons and the con-traction of the patrons. It is not that the patrons to exist in 1 fact that there are great rescribed.

I find that there are great possibilities in Peterboro County for makers to co-operate and assist their patrons. I doubt whether or not all makers get in touch as closely as they should to the Dairy and Cold Storage Commis-sioner's staff at Ottawa. From time to time excellent literature is sent out from there free. This literature can be procured in sufficiently large quantities to give a copy of whatever bulletin it is to every patron.

We find that where cow testing astrict branded uniformly.

Since the benefits from such a course would be many, where cheese of the high standard and reputation the high standard and reputation the work of the cow testing associations exist, the farmers are making better progress than elsewhere; there is no one who can help along the work of the cow testing associations of the cow testing associations exist, the farmers are making better progress than elsewhere; there is no one who can help along the work of the cow testing associations exist, the farmers are making better progress than elsewhere; there is no one who can help along the work of the course are making better progress.

THE THE PARTY OF T

The Bright, Oat., Cheese and Butter Factory - One of the Best in Oxford County

Get to the Factories Early D. J. Cameron, Instructor for Lind-say District.

One of the first mistakes that we ontice on the part of some makers is the fact of the maker not getting to the factory in the spring early enough. A great many makers will be getting to their factories only a day or two before the season opens. The result before the season opens. The results is that they will not be in shape when the n ilk begins to come to the factory. Such a maker will get behind. Some men have been a day or two behind all summer just on this account. I would strongly advise makers to get to their factories early. Get the

factory and surroundings in good con-dition before the milk comes in. Be in good shape to receive the milk on the first morning.

Responsibility on Producers G. G. Publow, Chief Dairy Instructor, Kingston.

It is impossible to make good butter or cheese without first having good milk from which to make it. The repeated by the control of the quality of the producer, for for the producer, for for the business. There is great room for improvement in the milk delivered at factories. The aim of all should be to get the best produce manufactured with the least loss and to realize the highest prices. It is impossible to make good butter

Cheese makers are in a position through their close relation to the partons to be the greatest factor in educating producers. The maker knows, or should know, each one of his patrons personally. He knows the condition of the milk each day as received from individual partons of the milk each day as received from individual partons of the milk each day as received from individual partons of the milk each day as the patrons and acquaint them with any defects of their milk as Cheese makers are in acquaint them with any defects of their milk as delivered at the factory. The farmer believes if his milk passes the maker without comment, that it must be all right.

Cheese making is a

ample.

of those from the Peterboro district are concerned, and the cost so little, there should be no hesitation in adopting a uniform brand. Other sections of equal reputation, or that aspire to such a reputation, will find the uniform brand a considerable factor in helping them to attain the standard and reputation they desire.

Cheese Maker's Responsibility

The section of the service sealing is a partnership business. Any because it is some than another here is one wark more of equal reputation, or that aspire to such a reputation, will find the uniform brand a considerable factor in helping them to attain the standard and reputation they desire.

Cheese Maker's Responsibility

after all.—D. N. Anderson, Lambton

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uestions and Answers on Buttermak," by Dr. Charles A. Publow; "Quesns and Answers on Milk and Milk sting," by Dr. Publow and Hugh C.

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Ontario

factory is not only good cheese makers, but we should say local preach ers, but we should say local presenters of the gospel of agriculture. There are great opportunities of doing good and of advancing agriculture before and of advancing agriculture be the cheese makers of this country.

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H. C. Duff, Norwood, Ont.

As we look back over the progress of farm and dairy work, we find that we are advancing, to a certain extent, at least. As dairy farmers we are advancing, but there is great room for still greater advanceinent. To-day we find farmers taking an interest in their herds that years ago would have classed them as faddists. The aim to-day is not alone to feed cows that they may live, but to feed in order that they may return as much profit as possible.

As cheese makers we also have room.

advancing, but there is great room for still greater advancement. To-day we find farmers taking an interest in their herds that years ago would have classed them as faddists. The aim to-day is not alone to feed cows that they may live, but to feed in order that they may return as much profit hat they may return as much profit as possible.

As cheese makers we also have room for improvement. This is well shown by criticisms of British importers writing to Farm and Dairy. One firm criticized the products of our factories by saying: "The insipid and featureless still that is put on the marticeless that that is put on the marticeless that that is put on the marticeless that has attumn is driving the interest of the component of the control of the con

MAKE DAIRYING PAY BETTER your milk as it leaves the cow. not afterwards, and see that you strain milk only, not milk, dirt and bacteria. You can make pure milk an absolute certainty by using the



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Note its clever construction. The milk cis detachable, and the state that the milk cis detachable, a strainer into the pail, All dirt falling inshell inside the fundement on the strainer—thus milk and dirt sever come in confort of the milk cis dirt sever come in confort of the milk cis dirt sever come in confort of the milk cis dirt sever come in confort on the inside: it is easily cleaned.

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GUCH as thy habitual thoughts, such also will be the the character of thy mind, for the soul is dyed by the thoughts.



Baby Bunting Chaperone

By Charles Raymond Barrett. (Continued from last week)

THE conductor led the way into the baggage car, gave Maxwell the only chair and seated him-"I suppose that's how you came to pick on the wrong one," was the sar-castic rejoinder.
"How about the kidnapper?" pur-sued Maxwell. "Does that description

the only chair and seated him-sel upon, a convenient trunk.

"I suppose," he said, "that is your wife and your baby?"

Maxwell's color and confusion at once proclaimed his guilt.

"Wall no not avastly," he stam-Well-no-not exactly," he stam-

'Not exactly which—wife or baby?''
'Not exactly either.''
Then why are you traveling to-

"I don't know that that's any con-cern of yours," retorted Maxwell, wax-ing indignant. "Does the road give ing indignant. "Does the road give you the privilege of prying into the private affairs of your passengers?" "Yes—when they appear to be sus-picious characters," was the curt re-

"What do you mean?" demanded Maxwell, half rising to confront the conductor

That personage waved him back to

that personage waved him back to his seat, and permitted a chill smile to soften his official manner. "Don't get excited," he counseled, not unkindly. "A conductor has cer-

not unkindly. "A conductor has certain police power, so officio, and I am acting wholly within my rights. A child was stolen in Winnipeg—just before we left, it seems—and I got instructions at the last stop to watch out for the kid and to arrest the kid and to arrest the kid, apper on sight."

Good Lord!" ejaculated Maxwell, and stared at the conductor in dismay.

and stared at the conductor in dismay.

"You see," explained that official
with judicial gravity. "it is very evident that you two people are not the
parents of that chird. In happen to be
a married man myself, and I know
something about taking, and I know
something about taking, and I know
you two are greatly evident that
you two are greatly evident that
you two are greatly ground aloud.
"So, when I got this telegram, I
thought I'd better have a little talk
with you."

Let me see the telegram, will begged Maxwell, sparring for "I guess not! I'm asking for in-

T guess not! I'm asking for in-formation—not giving it." "Whose kid was stolen?" "If you don't know it doesn't mat-

"You had a description of the

"And it fits"

omething—all the passengers have re-namber, and all babies don't look member, to me

They do to me," muttered Maxwell, "I couldn't identify any particula, one to save me."

seered the conductor.

"And easier to prove," retorded Maxwell, and proceeded to empty the contents of his pockets on the trunk beside the conductor. the kid are not theones you're lookand address on it; my club memberally card; some letters—and bills; a full card case; a cigar case with my initials on it; a seal on my watch fob, and my monogram on the watch; my initials inside my hat; monogram on my whith sleeves—"

my shirt siceves—"
He paused, breathless but sarcastic.
"Shall I strip to the buff and show
you the family strawberry muck—or
would you prefer to make note of the
number of teeth I have had filled?"
The conductor rose to bis feet well

The conductor rose to his feet, red and embarrassed, and metaphorically threw up his hands.
"Don't for goodness' sake" he

threw up his hands
"Don't for goodness' sake" he
begged, laughing in spite of his chagrin; "I'm blushing enough now,"
"Then you are perfectly satisfied
with my identification of myself?"
"I'm avancal! I may realized be

with my identification of myself?"
"I'm swamped! I never realized before how much junk of that sort a
man carried about and the man carried about
"Nor I," said Maxwell,
"Grin, and to return his property to
his pockets. "And I suppose you'll
take my word that the young lady and
the kid are not the ones you're looking for?"

the kid are not the ones your ing for?"
"Certainly!" answered the conduct-or promptly; but he moved nervously and cleared his throat, and finally



Much Excite nent as Their Catch ing It—Baby Bunting Took
Care of That"

scription, I tell you. It's you that I n't account for." Maxwell fell back in his chair, gasp

Sizxwell fell Lack in his chair, gasping ane goggle-eyed; and it was nearly a nonthe before he could speak.

"For heaven's sake!" he cried, when he had caught his breath; "do you mean to tell me that she is accused of stealing the child?"

"Sure! As near as they can figure

"Sure! As near as they can figure it the nurse girl ran off with it."
"And you think she looks like a voice." nurse girl?" The sorn in Maxwell's voice penetrated even the brass-bound certainty of the conductor.
"Well," he admitted

certainty of the conductor.

"Well."

"An addition of the decommon sort, of course, but he of the month of the property smart help sort han I can say for the railroads," snapped Maxwell.

"That's more than I can say for the railroads," snapped Maxwell.

"In a smorth of the railroads," snapped Maxwell.

"In a smorth of the state of the state of the property of the property of the snaps, and Delaine—of the Portage Drive De-laines. You may have read a descrip-tion of them somewhere." The con-ductor nodded assent, but appeared to be little impressed. "My name is Maxwell—Sam Maxwell—and my home is on Victoria Boulevard. My

"I've aircauy passed my conductor said coldy."

"I know," agreed the conductor apologetically; "but three's something queer about the whole thing.

Maxwell laughed and blushed a little. "I guess that's evident enough," he said. "That baby in enee..."

"Your nicee?" stammered the conductor. "It's a boy that's missing!"

Maxwell gave him a withering glance. "And you're a married man! Yes. this baby is a girl; and I fancy her clothes bear several identification marks."

But that's not her mother?" per-"But that's not ner inocaes, sisted the conductor.

Maxwell ignored the question.

"You're not on the lookout for two babies, I suppose?"

"Then have a cigar, and forget your roubles," and Maxwell pressed the

Then maye a Maxwell pressed the troubles," and Maxwell pressed the initialed case upon him. The conductor mechanically accepted a cigar, and took a second one without being urged; but he continued to out being urged; but he continued to the con

ment.
"I wish—" he began.
"I know you do," said Maxwell,
with a malicious grin; "but I won't.
Your police powers don't cover the
particular case, conductor, and I re-

father is W. R. Maxwell, one of the directors of this road—, one of the road— of who's who."

Their leaving the train caused as

Their leaving the train caused as much excitement as their catching it—Baby Bunting took care of that.

As adly puzzled porter assisted them down the steps, a row of wondering faces watched them from the car winders and the steps of the steps and the steps of the steps are also steps. faces watched them from the car win-dows, and a half-score of rustics gaped at them from the station platform. It was quite evident that this queer trio could have no ordinary reason for alighting at such an obscure country hambd.

hamiet.

The station agent, impelled by curiosity and called by Baby Bunting,
came forward to make himself known.

"Get on the wrong train?" he asked sympathetically.

sympathetically. "Yes," answered Maxwell, eagerly snatching at the extended straw. "I spose you can send a telegram for me?" "Sure! Just come inside." and the agent led the way into the bandbox of a station.

a station.

Maxwell followed with his charges

and what little luggage they had, and proceeded to make the girl and the baby as comfortable as circumstances would permit.

ould permit.
"This is luck!" he whispered exultntly. "Weve got the place all to
urselves. Now if you can get that

ourselves. Now if you can get that kid quiet again. Will have her asleep again in a minute," she answered, with an assurance that anazed the man. Waking her up made her cross. But we eant go on like this forever, Sam. You must get the child back to her

"That's just what I'm going to do,"

mother."
"That's just what I'm going to do,"
he answered promptly.
"What time is the next train
back?" she asked, wearily shifting the
Laby into a more confort.
"I haven't asked yet. I've got to
do some telegraphing first."
"Can I help you?"
"Can I help you?"
"Yes—by keeping my beloved niece
from yelling herself into convulsions."
"That will keep ne busy enough so
that I sham't be able to interfere with
you," she said, a trifle bitterly.
Maxwell dropped his hand tenderly
upon her shoulder.
"Don't Claire—please. You've been
nightly good about it all; don't spoil
everything now. I've got you into a
deagreeable mess, I know; but I'm

disagreeable mess, I know: but I'm beginning to see a way out, and I want to show you that I'm not altogether a fool."

"I know you mean well enough,"
"I know you mean well enough, she assured him, the while she studied him nervously; "but—your plans are so ant to go awry." Your plans are so ant to go awry." This one won't," he answered shortly. "Tree got it figured down to a dot." And, to prevent further discussion, he turned ward the little coop where the station agent awaited his pleasure.

coop where the station agent awaited his pleasure. But when he came to put his ideas upon paper they seemed to be some-what hazy, and he spoiled seven-blankas before he finally evolved the

following:

"W. R. Maxwell, Winnipeg.

Olaire and I are here to get married.

Prefer church wedding at home. What do

P.S.—Baby Bunting sends love to grand-

The agent read the queer mes In agent read the queer message and sniffed, and he also eyed the young man with evident suspicion. "Postscripts don't go in telegrams," he remarked, with the weary scorn of

his kind. Oh, yes, they do—when they're Oh, yes, they do—when they're paid for,' retorted Maxwell, at once domineering and wheedling. 'You domineering and wheedling. 'You could be supported that just as it reads, no matter whit costs; and—have a cigar on me, it costs; and—have a cigar on me, and the weet the supported by the support of the weet of the support of t

into freq

The Cheaper Cuts of Meat

The wide-spread agitation in regard to prices of food, and especially of meat, which bas existed during the last few months, should lead to re-forms in many directions. There are forms in many directions. There are forms in many directions. There are so many sides to the matter of food economy that it is small wonder if some important points are lets sight of in the rush of every-day living. For instance, the market price is not the final price of the food. The amount of waste that is paid for before meat is delivered to the cook increases its delivered to the cook increases its cost and there is an appalling waste in the trimmings and bones of the more expensive cuts of meat. This is not alone a question of loss of weight, but of nutriment, too. There is a choice in so simple a matter as buy-choice in so simple a matter as buynot alone a question of loss of weight, but of nutriment, too. There is a choice in so simple a matter as buy-ing stew meats, although one does not expect waste in cheaper cuts. A bit of fat does not harm, but pieces of meat containing much white skin are largely waste and this means some-thing, even at 8 cents a lb.

The question of how much is thrown

thing, even at 8 cents a lb.

The question of how much is thrown away in the kitchen also regulates the final cost. If food is attractively cooked it will be eaten without waste. The size of the portions or the frequency with which certain foods are served are also factors in the final cost. As a rule, people eat more than cost. He could be considered and the cost of the cost o

palate. Generally speaking, we like the taste of meat that is browned by roasting or frying better than boiled or stewed meat. It is possible to prepare the cheaper cuts with this bro ed taste

ed taste.

A roast quite good enough for any table can be prepared from what is known as the "plate piece." It is a strip cut from the end of the ribs and contains their cartilaginous ends with a small amount of fat. This piece may be boiled until almost done and then until the angle for rockets. Le boiled until almost done and then put into a pan for roasting. Sprinkle with salt and pepper, dredge with flour and pour some of the liquid used in boiling into the pan. Baste carefully and brown nicely. Pare some white potatoes and put into the pan with the meat. They will brown nicely. If any of the meat is left, it can be cut in thin slices when cold and served with horse radish or other sauce.

Another cheap cut is the flank steak. Another cheap cut is the flank steak. The steak has absolutely no waste and in cold weather can be kept a week without harm. The thick end can be baked. Working from the cut end of the thick portion split the steak in such a way as to make a pocket, keeping the end and sides uncut. Fill

from the thin end of the steak can from the thin end of the steak can be put in without browning or after being browned. If preferred the thin end can be cut into strips as wide as the steak is thick. Put into the fry-ing pan. When almost done take the steak is thick. Put into the frying pan. When almost done take from the pan, season with salt and pepper, dredge with flour and return to the pan in which the drippings have been heated. Finish cooking. Make a nice brown gravy to serve with this.

with this.

Another way of serving this same cut is as a stew. Brown the slices as before an when almost done roll each slice around mixed vegetables which have been cut into strips and partly cooked in salted water. Carrots celevated on the same continuous strips and partly cooked in salted water. ery and onions are a good combina-

tion. The cuts referred to are tender, but even so, they should have slow cooking. After the surface is seared the heat should be reduced in all meat cooking. It is absolutely impossible to cook any of the cheaper cuts and have them good, if there is a fierce fire. On the other hand, it is jossible to have them delicious if cooked slowly.

The neck and round are two other The neck and round are two other-cuts furnishing much nutriment, there is no waste and they cost Lut little. Stews are usually made of the poorer-cuts of meat, and hamburger steak is another familiar form of serving. A round beef is good spieed. Ruh the meat first with sugar and let stand

A round the meat first with sugar and let stand the meat first with sugar and let stand three to twelve hours according to the size. Then rub with a mixture of all size. Then rub did for meat, including size. Then rub with a mixture of all scasonings used for meat, including the various spices and a bit of salt-petre. Allow to stand as before and then rub well several days. Soak for a short time in cold water then simmer slowly till tender. Put in the cookslowly till tender. Put in the cook-ing water the usual onion, carrot, parsley, etc.
At certain seasons of the year yeal

is cheap. Cutlets are most indigestible as usually prepared. Trim and season and put into a pan containing quite a good deal of fat. Cook till almost done, then dredge with flour or dip in egg and crumbs and finish cooking.

How to be Neat

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 housewives have never learned, and, not possessing the secret, they cannot impart it to their families

Sometimes a big mistake is made in beginning a home. The wife or the husband, or both, may have lived in one of those cluttered-up houses most of their lives, a home in which things

or their lives, a home in which things in general are just dropped down in no place in particular. Perhaps the husband had one of those dear, good, patient, hard-working, mistakenly devoted mothers who tagged after him, picking up his things and putting them away uncomthings and putting them away uncom-

Her husband's clothes were left flung around the bedroom on chairs or thrown over the foot of the bed after the changed them, though there were two clothes-closets in the room, with plenty of hooks, and a clothes-hamper for solid despreads. pienty of hooks, and a clothes-hamper for soiled garments. After picking them up uncomplainingly a few times, they young wife declared to stop the practise and leave each article just "We might be the tit." "We might be to the tit." "We might be to the tit." "We might be to the tit." "I might use it to pack the extra bedding in, if you think you won't need it."

need it."

He took the hint, picked up his clothing and put things where they belonged. After that it was easier, though old habits are not broken and good ones formed in a week

... Competition Poetry

The following poetry was written and read by Mr. Angus Grant of Moose Creek, Ont., at the meeting held at Moose Creek in March, when the prizes won in Farm and Dairy's held at Moose Creek in March, weather the prizes won in Farm and Dairy's Farm Competition were given to a number of the prize winners. Mr. Grant won the third prize, being five points behind the winner of the first prize winner, Mr. Victor Begg of Moose Creek, and only one point be-hind Mr. J. A. Anderson of Dickin-son's Landing, who won the second son's Landing, who won the second of the prize of the Mr. Cowan named is the editor-in-chief of Farm and Dairy.

The prizes of life are bonnie to get, me prizes of life are sonnie to get,
We all like a share in the game,
first, a second, or third it may be,
There is pleasure in winning the same.
to the winner of points the world bows

down,

Merever it happens to find him,
But the hones: man never fears it's frown
And the runner ne'er looks behind him.

Charma

So here's to the man who didn't win, He's as brave and worthy as others, The men of the soil who ventured in Are Comrades, Friends and Brothers.

We hear of the wealth of the city grand, Of men "to the Manor born," But, the happiest man, is the man on the land.

land,
With his fields of growing corn.
For if stocks go up, or stocks go down
The grain still keeps on growing,
And unlike the breath of the crowded town. The fresh sweet wind is blowing

eaceful he lives in his quiet home With the flowers of love around him ravely content with the simple joys That everywhere surround him,

And everywhere surround nim, and whether he wins, or whether he loses No selfish fears oppress him, le's first of his clan is the Farmer man Behind the plow—"God bless him."

We folk who live in Stormont, are very proud to-day, To bring our country honor, and help to

Before the Judge's argus eyes, that Com

Before the Judge's argus eyes, that Com-mittee will bring.

No matter if you have to fight weeds from a neighbor's farm,
That gently blow across the fence, as if to do no harm.

They'll not escape the well-trained sight of Mr. Robert Ness,
Who has stood for farm improvement, and has it more or less.

No slip-shod work escapes him, you may

No sitp-snod work escapes nim, you may hustle as you will," He'll score the "points," both good and bad, with all a Judge's skill. And, Mr. Cowan is to-day a lucky man in-

deed, To prove that Eastern Ontario farms have

To prove that Eastern Ontario farms have not all run to seed.
Only five points between us three! The farm at Maple Hurst,
With Mr. Begg as owner, has proudly won the first.
While only one point stands between friend Anderson's and mich.
And on us both these prizes will, with equal lustre shine. And on us both these equal justre shine.

And row to Farm and Dairy our honest thanks we give.

We'll cherish these mementoes as long as we shall live.

d as we sing of "Auld Lang Syne" with grateful hearts we say, od bless the honest farmers of Can-ada to-day!" God ble

THE COOK'S CORNER

Recipes for publication are requested,
Inquiries regarding cooking, recipes,
Inquiries panwared upon request, to
the Mouse Amwared upon r

SCOTCH CAKE

SCOTCH CAKE
Three-fourths of a pound of butter,
one pound of flour, one pound of
granulated sugar, one heaping tablespoonful of cinnamon and three eggs.
Roll thin and bake in a quick oven.

Two cupfuls of molasses, one cupful of lard, butter or drippings, one cupful of sugar, one-halt cupful of sugar, one-halt cupful of sugar, one-halt cupful of sour cream, one tablesponful of ground ginger, two eggs and one tea-spoonful of soda. Flour enugla to make a soft dough, bake in a quick oven

WATERCRESS AND CUCUMBER SALAD. WATECRESS AND CUCUMEER SALAD. Wash and remove all roots from watercress, drain, and chill it a little. Pare I cucumber, wash, cut in slices and arrange in and on the water and arrange in and on the year.

A very good coffee can be made of beet root in the following manner: Cut dry beet roots into granular pieces then gradually heat it close pan over the fire for about 15 minutes after which put in a little sweet, fresh butter, and bring it up to roasting heat. The butter will prevent the c-aporation of the sweetness and aroma of the beef root. When fully roasted it may be cooled and ground, and otherwise used like coffee. BEET ROOT COFFEE

PEPPER NUTS Beat 4 eggs to a froth, gradually add 1 lb powdered sugar, and beat



this pocket with a good dressing. Put plainingly year after year. Even so, into a pan, season with salt, pepper, the can be trained to better ways—dredge with flour and drop a bit of beef drippings here and there. Baste frequently and brown nicely. Any part of this that is left can be cut in neat pieces and used as a stew with a nice brown gravy and a few the training process just as soon as with a nice brown gravy and a few the training process just as soon as with a nice brown gravy and a few the training the did success, in spite of the defaul used for stews. A few pieces cut





this pocket with a good dressing. Put plainingly year after year. Even so, into a pan, season with salt, pepper, the can be trained to better ways—dredge with flour and drop a bit of that is, if he is caught in time.

The ordinary man under forty can be the farming land. Where men of brains are working with their hands.

until light and foamy. To 1 cup flour add 1 teasp cinnamon, ½ teasp cloves ½ nutmeg, grated, and ½ teasp paking powder. Mix well and aftr this into the beaten eggs and auger, then add the grated rind and juice of 1 lemon and enough more flour to real about ½ in. thick. Cut with amail, roud cutter and take on buttered tins in a moderate oven.

Mothers' Day in Canada

There has in recent years been in-augurated a movement called Nothers' Day. It has spread through the en-tire United States, and last year for the first time was celebrated in Lon-Ont.

The second Sunday in the month of The second Sunday in the month of May has been chosen as the day, when all of us shall keep in especial remensions that day, the white carnation window our own Canadian poet Biss Comean has called the most comely off forces will be worn in honor of Home and Mother. The movement is meeting that the state of the state Mother. The movement is meeting with the most enthusiastic appreciation, and Canadian people, who have as good homes as may be found in the world, will not be slow to observe a day which commemorates the central figure in the home.

world, will not be slow to observe a day which commemorates the central figure in the home.

This new movement for Mothers' Day is in itself more significant than any monument and, by associating itself with flowers, gives a peculiar and pleasing suggestion to the memorate of the summary of the world world weary or tree women and or man may be, the very town and or man may be, the very town of the old home and the childhood associations will bring refreshment and healing. Perhaps it was a farmhouse on the wide acres of a Canadian homestead where there was room and to stead where there was room and to spare for a band of merry youngsters. There was such a fine old orchard, such as alluring creek for small feet to such as alluring creek for such as alluring from the kitchen doorway as the more such as all the such as a such as alluring from the kitchen doorway as the form school or such as a such as alluring the such as a s kitchen doorway as the tired small persons came home from school or play. What a fine old kitchen it was, with its wide flags and savory smells There were all manner of good things There were all manner of good things, and the preserved and stored away, and the preserved and stored away, and the preserved and stored away and the preserved and stored away and the preserved and the preserved are sent of a white carnation which, at me processes comes back, borner on the preserved as the pres the modern world shows not its like to weary hearts. There are many houses along life's road, but there is only one old home—and its queen was the Mother, whose love has followed her children all around the world. There is the magic in the white carnation.

OBJECTS OF THE DAY.

To honor the one who loved you first and always—your Mother.

To give tribute of loving remembrance of your mother—or her membrance of your mother—or her mem-ory—through some distinct act of kindness, visit or letter. To wear a white flower—emblem of purity and fidelity—on Mothers' Day.

Save Your Dimes



For a Club of two new yearly subscriptions to Farm and Dairy, we will
send one of these fine metal banket
banks free. Cannot be open the banks free.
Cannot be open the bank in the bank in another column. Remember only
TWO NEW subscriptions required. Send
them to-day, as supply is limited.
CIRCULATION MANAGER.

FARM AND DAIRY

If possible, send one to others as message of sympathy or brotherhood. Remember the sick or unfortunate in hospitals

any white flower may While any white flower may be worn, the white carnation is the Mothers' Day special flower. Its whiteness stands for purity its form, beauty; its fragrance love; its wide field of growth, charity; its lasting qualities, faithfulness—all a rue methods, with the company of the

qualities, faithfulness—all a rue mother's attributes.

Mothers' Day may be observed through special sermons, exercises or addresses in honor of "Our Mothers," and by the wearing and distribution of the white flower in connection with according to the service of the service o

The lawn itself has been plowed and elled making it much easier to use

levelled making it much easier to the lawn-mower.
Leading from kitchen door to well Leading from kitchen door to well sand milk-house a cement walk has been laid, which I greatly appreciate, especially on muddy weather."—Mrs.
J. A. Anderson, Stewart Co., Ont.

Before You Clean House

ualities, faithfulness—all a rue tother's attributes. Mothers' Day may be observed through special sermons, exercises or difference in honor of "Our Mothers," and by the wearing and distribution the white flower in connection with rich occasion.

Mothers' Day is for every creed, dieser in the word of the provider into the cracks between the floor and baseboards, then line the closet with tar paper, being sure to



This illustration shows the home of the second prize winner in District No. 1, in the recent Dairy Farms competition concusted by Farm and Dairy. It is owned by Mr. J. A. Anderson, of Stormont Co., Out. A comfo-vable farm home, fine lawn and pleasant surroundings. Read letter from Mrs. Anderson, this issue.

class, race and country. It is not de-nominational. Social, fraternal, civil, class, race and nominational. Social, fraternal, civil, military and religious organizations; orofessional and business homage official, professional and business classes are all asked to pay homage to mothers through the wearing of the white flower, and observance of the spirit of the day.

Mother o' Mine

By Rudyard Kipling. If I were hanged on the highest hill, Mother o' Mine, I know whose love would follow me

still, Mother o' Mine.

If I were drowned in the deepest sea, Mother o' Mine, I know whose tears would come down to me, Mother o' Mine

If I were damned of body and soul, Mother o' Mine, I know whose prayers would make me

whole, Mother o' Mine

...

Indebted to the Competition

Since we entered our farm in the dairy farms competition, we have had dairy farms competition, we have had a bath room to cise to which water laced in our house, to which water laced in our house, to which water laced in the had been and from which water pipe leads into the sink below. It is also that the same proper. We already had nearly everything that would tend to saving labor such as washing machines, butter mixer, bread mixer, etc. The separator and churn have been taken down to the barn to be operated by horse-power, saving considerable dirt in the house.

place the folds of the paper well over

dace the rolds of the paper with a contact another, tacking closely.

Have your furs and things ready aired, place them on hangers and aired, place them on hangers of agreements. aired, place them on hangers and hang up as usual, seving bags of eam-phor balls, cedar chips of the balls, into them if you like. Keep this closet-closed and locked, though if you are fortunate enough to live in the con-traction of the contract of the con-with a yard it will be well to take the contents out once during the season and hang in the sunlight for a whole day.

day.

This is the way things are kept moth-free in the South, and unless our Morthern moths are more belligerent one will not experience any trouble on them and clothes will keep in shape much better than if packed in trunks. Blankets, rugs and curtains may be wrapped in tar paper or logs, sealed up and laid on the floor of this closes.

******** OUR HOME CLUB Kaaaaaaaaaaaaaaaaaaaaaaaa G

LITTLE THINGS THAT COUNT

Who knowth the value of little things? The question is pertinent, though it is indefinite. Many a farming and the point. Little things on this point. Little things on this point. Little things seeps him. He has his mind's eye to be a some big thing he is going to Meanwhile he forgets little things. Meanwhile he forgets little things, which properly cared for an dispose of at opportune moments, and the properture moments in the seep seeps him to all around him. It is because of little things that the farmer and his son so often get out of larmony. Beson so often get out of harmony. Be-cause of this the son "pulls up stakes" on the old farm and starts for pastures new.

I feel indebted to the competition for the improvements that have been made just surrounding our have been good start in life when perchance he marries—the whole farm when he, to side the lawn some side of the lawn sone stance westward, and which had been surries—the whole farm when he, the father, is dead and gone? Oh, that is it! When he is dead and gone. Westward, and which had been surries—the whole farm when he, the father, is dead and gone? Oh, that is it! When he is dead and gone. But, the farmer, the father may be a long time dying—the son may go first—and what boy, what Canadian extended in front of lawn doing away would wait around for his father to die? Banish the thought! What farmer do you know who does

WHY BOYS LEAVE HOME

way boys Leave Home
Let us consider for a moment the
much-talked-of labor problem. Why
do the Ontario farmers' sons leave
the farm for the city?* Why do they
stay at home and help with the bust
dens of the day where they are most
needed? Simply because their parents
ignore these little things. Parents
forget a boy's present meds, real or
imaginary. They provide only for
the distant future "Only yes, John
will have all when." Oh, yes, John
will have all when. "Oh, yes, John
will have all when." Oh, yes, John the distant future. "Oh, yes, John will have all when I am dead and gone." But John might get out and hustle for himself and have far more and make it careful. hustle for himself and have far more and make it easier than if he had stayed at home to await and work for his inheritance. And it is this belief, strong in the mind of any sturdy Can-adian boy, that takes him from his father's farmstead.

THE REMEDY

"Give us the remedy," you ask. It is simple. Run the farm and its operations on strictly business principles. Make it worthy of the best that in you. Aim to excel in some particular branch, i. e., specialize; be known to excel in at least some one thing. Make improvement the watchword all along the control of the provement of the proper sense o

A CONCRETE EXAMPLE

A CONCRETE EXAMPLE

"The Son" enjoys the acquaintance of many young men that left home for causes herein stated. The tendency to err is not with the big things. It little things. One well meaning fath of the writer's acquaintance of erred of he writer's acquaintance of erred of he writer's acquaintance of erred of the writer's and would pinch. Yet that same man would pinch witer and the wood of the consistency be of crated? We know consistency be of crated? We know one sided. Both often are at fault. Attention, in great neasure to these little things, however, will smooth out Attention. in great measure to these little things, however, will smooth out many a troubled spot and go far towards contenting the farm boy with his lot.—"The Son."

...

We cannot urge too much on wom-We cannot urge too much on wom-en ordering patterns, the importance of carefully giving name, address, size of pattern and number of same. Sev-eral orders are waiting to be filled, each one of which lacks some one of these essentials.

Farmers should eat more oatmeal.

Although the farmer of today is able Although the farmer of today is able to buy almost anything he wants to wear or to eat he isn't paying enough attention to food values when it comes to his own table.

He feeds his stock carefully, avoids over-feeding and selects the stock food that he believes will give the best re-turn in strength and general efficiency.

If he has been watching the extensive researches and experiments on the question of the best human food for muscle and brain he will heed the advice from all sides to "eat more Quaker Oats."

Quaker Oats is mentioned because it is recognized in this country and Europe as the best of all oatmeals. Feeding farm hands on Quaker Oats means getting more work out of them than if you feed them on anything

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The Upward Look Kassassassassassassassassassas e

The Source of Strength

I can do all things through Christ which strengtheneth me.—Philippians

If each of us could once believe these words of the Apostle Paul, and carry them with us in our hearts and consciousness all the time then we could literally do all things. The troucould literally do all things. The trou-ble is that we are too prone to look upon our environments and permit them to mould us instead of moulding them. We feel that the conditions that enter into our lives, the troubles that weigh us down, the hindrances that appear to prevent us from making the success of ourselves that we would like are insurmountable. We forget that with God all things are forget that with God all things are possible (Luke 1.37) and that we can do all things through the strength that He will furnish us for our needs if we but wait on Him and have faith

in Him.
Once God enters our lives in power everything about us is changed. We begin to think His thoughts and the difficulties that formerly appalled us appear insignificant before the realizaappear insignificant before the realiza-tion that nothing can resist the power of God. Instead of wasting time worry-ing over circumstances that are apt to overwhelm us, we begin to listen ever more and more to the voice of God within our souls and thus a power springs up within us that makes it possible for us to do things that for-merly seemed impossible. This is what Christ meant when He said, "If ye abide in "me, and my words abide in you, ye shall ask what ye will, and it shall be done unto you." (John 15.7.)

In this department in recent issue we have endeavored to show that God is the source of all power, and wis-dom and love. In just the degree that

VALUABLE CLUBS

FARM AND DAIRY-Weekly An all-round, strong agricultural and dairy paper. Keeping pace with the best knowledge of the times. Its mark ket reports and letters from farmers are two strong features.

CANADIAN POULTRY REVIEW 32 years wise—the peer of all American Poultry Journals. 48-72 pages full of live poultry lore—shows, prizes, prices information that helps you make

CANADIAN HORTICULTURIST

Redebbbbbbbbbbbbbbbbbbbbbb we recognize our oneness with God does His Spirit of life and power en-does His Spirit of life and power en-ter our lives and transform us. The does fils spirit of nie and power enter our lives and transform us. The more we open ourselves to this divine inflow, the more do we enter into harmony with the highest, the most powerful and the most beautiful every the weak of the comparison of the most beautiful every the weak of the come in contact with us receive the effects of this realization on our part. And in the degree, also, that we fail to recognize our oneness with God, the infinite source of power and so close ourselves to this divine inflow, do we enter into that state where there seems to be with us nothing of good, mothing of beauty, nothing of power. We each have the power within us to open or close ourselves to this divine We each have the power within us to open or close ourselves to this divine inflow—exactly #8 we choose. This we have through the power of mind, through the operation of thought. There is the soul life, direct from God. This it is that relates us to the Infinite. The second of the second of the second of the second of the material with the second of t

trol and direction of our thoughts and trol and direction of our thoughts and desires we can live within whichever of these two worlds we choose. All we require to enable us to rise to greater heights is to permit God to center our lives in power and then we will realize that we literally can do all things through Christ which strengtheneth us.—I. H. N.

The American Farmer's Wife

(Concluded from last week) Often the boy's whole future is darkened by this carelessness on the part of the home training. We are trying

to counteract the example of our hired men by careful training."

Just the feeling that other women had met the same problems, and the

When will such women learn that one is loved for what she is, not for the work she does? No one ever loved a machine!

The problems of the American farmer's wife are as many and varied as are the problems of the woman of the are the problems of the woman of the city or village. The conditions vary as much on the farm as in the city. A recent article on farm life depicts the "woman in the faded gown," and her selfish and penurious husband, who lets her overwork and lends no helping hand. It is a true picture of one type of woman and man; only one can find the same woman in the faded again, with the penurious-husband again, with the penurious-husband and the same words of the farm. But of pure selfishness, and that product flourishes everywhere. that product flourishes everywhere

The farmer who tilts back in his chair and whittles a stick while his wife washes the supper dishes and skims the milk and feeds the pigs and chickens, would be the same man who chickens, would be the same man who hangs around the corner grocery in the village or the saloon in the city, and directs the affairs of the nation, while his wife brings up the coal and onlits the kindling-wood. The man in the country who "can't afford to buy labor-saving devices," for his wife is the same man in the city whose spare change goes over the bar and helps to nut a new coat of paint on the wood-nut a new coat of paint on the woodput a new coat of paint on the wood-en Indian at the tobacco store.

often this selfshness has been encouraged by the too self-obliterating spirit of the mother who is willing to rub at the wash-tub, while her daughter sits at the piano and sings "Who Will Care for Morher Now?"

After nearly eight years of experi-ence in the work of the Bureau of Farmers' Institutes, during which time I have been in close contact with

the people of the rural districts in New York and other States, I have yet to find that selfishare traits of our farmers alone. On the contrary, there is no class of husbands who see and appreciate the work done by their wives as do the men wives as do the men whose work brings them in almost hourly contact with the home interests. \$n proof of this I would point out that at every Woman's Institute held through the State of New York there was a large. there was a large at-tendance of men. It It means something to leave work and drive



A Useful Premium?

Farm and Dairy has disposed of a great many pure bred in the pigs during the past year, giving them away as premiums for clubs of nine new subscribers. The illustration show its discussed. How a pig used in a nevel manner. Many boys and girls could many business men in the past year at work securing clubs this spring. Start the boys is a meeting, when the dod work.

Practical common-sense advice ou the culture of fruits and vegetables, lawns, flowers, shrubs, trees and all ornament-al plants. It is inspiration for the am-ateur, and money-earning for the pro-fessional. THE HOME JOURNAL

Locking over The Home Journal, you can scarcely believe it is the same magazine that you know a years ago, and tractiveness. The Home Journal attractiveness. The Home Journal attractiveness a forty page monthly—a magazine of which Canadian women can justily be proud.

One year trial subscription at lowest prices

The Home Journal 1.00	\$.35
Farm and Dairy \$1.00 The Home Journal 1.00 Canadian Horticulturist or Poultry Review .60	\$1.75
Farm and Dairy \$1.00 The Home Journal 1.00 Canadian Horticulturist 1.00	\$2.00

SEND ALL ORDERS TO

Farm and Dairy PETERBORO, ONT.

ideas gained from their experience, helped this worran.

Often we find the woman who won't

attempt to remedy her present woful state; the woman who will not use any labor-saving device, who prefers to work as her mother and grand-mother did, and suffer just as much, perhaps a little more; the woman who is willing to buy patent liniments to such on her back, but who will not sprend money for a washing machine, who scornfully smiles in forces who scornfully smiles in forces the secondary and turns up at a forces with the secondary with the s rub on her back, but who will not

For Greasing Cake Tins

Take a small round tin box with tight-fitting cover, bore a hole in the cov er



through which invert the handle of

************** The Sewing Room

Patterns 10 each. Order by number and size. If for children, give age: for adults, give bust measure for waists, and waist measure for skirts. Address all orders to the Pattern Department. Patterns 10 each. Order by number and size. If for children, give age: 6 for adults, give bust measure for waists, and waist measure for skirts. 4 Address all orders to the Pattern Department.



6346

Princess costume increase in number and gain in favor as the season advances This one will be will be This one will be found equally avail-able for wool, silk, linen and cotton and is both mart and practical.

Material required for medium size is 10¼ yds. 27, 6¼ yds. 44 or 5 yds 52 in.

The pattern is cut for a 34, 36, 38, 40 and 42 in. bust, and will be mailed on re-ceipt of 10 cts.



MISSES' WAIST 6532
Waists made with trimming portions of contrasting material are pretty and at tractive. It includes the narrow, deep chemisette of that the area on any can be as a sea of the case of the the case of the c the season and can be made either with or without the sleeve puffs.

Material required

Material required for the 16 yr. size is 2½ yds. 21 or 24, 1½ yds. 32, 1½ yds. 44 in. wide, with ½ yd. of silk and ½ yd. 18 for the chemisette and deep cuffs

The pattern is cut for girls of 14 and 16 yrs., and will be maded on receipt of 10

FIVE GORED SKIRT 6290



The skirt with the panel effect makes one of the latest fea tures and is very pretty and general-

pretty and generally becoming.

Material required for medium size is 7½ yds. 24 or 27, 6½ yds. 32, or 44 in, wide for walking length.

The pattern is cut for a 22, 24, 25, 28, 30 and 32 in, waist, and will be mailed on re-

MUTTON



The 'leg o' mut ton' sleeve or the one

The pattern is cut in three sizes, small, medium and large, and will be mailed to any address on receipt of 10 cts.

Buffalo Carpet Beetle.—A most effectual repellent for the Buffalo car-pet beetle (Buffalo moth, as it is compet beetle (Buffalo moth, as it is commonly known) is ground cloves. Sprinkle ground cloves around the corners of rooms, under the edges of carpets and under the paper in bureau drawers, and the Buffalo carpet beetle will never be found there.—Mrs. R. T. Gillespie, Ons.

PRINCE EUWAHD IBLAND
KING'S CO. P. E. I.

CARDIGAN BRIDGE.—The weather has been very seins-like since the first of April. The snow went away to the property of the property o

ONTARIO LEEDS CO., ONT.

LEDS CO., ONT.

GANANOQUE. — We are having fine weather for seeding on account of it being so cool and dry. About two weeks ago the grass made a good appearance, but owing to some cold weather has improved very little since. Our factories are all running but the supply of milk this year is hardly equal to that of other years at lardly equal to that of other years at later. They are the demand for veal calves and deacons sell explice. Oth. Hashings come and deacons sell explications.

HASTINGS CO., ONT.

CHAPMAN. – Seeding operations are in full swing and the weather up to the pre-sent has been very favorable. We have lately had rain which was very much needed. New seeding has stood the winter very well. Several cheese factories have very well. Several cheese factories have the season. There is a good channal for "ale calves for the Montreal market; how have the control of \$35.5 a cut. -H. S.

market; nogs nave oropea to exchange the period of the summer prevails. Small outlook for the summer prevails. Small outlook for the summer prevails. Small cultures as they are called are more in cultures as they are called are more included, and there are more small farms. One hundred tittle maples were shipped from the period of the p in a para.

"to a was thought best to get maples from this was thought best to get maples from the district, hence the experiment on a larger scale. Despite the attraction of the west, scale. Despite the attraction of the west, and the steady, though not large, exedua thereto, the farm labor problem is not hereto, the farm labor problem is not acute, and we hear of no demand for the little laborers who are coming out.—

W. R. W.

DURHAM CO., ONT.

FLEETWOOD.— Seeding will be almost completed in another week, then the planting will begin and will be well finished by the 15th of May. Young clover and fall wheat look very good and promise to show wheat where the property of the providing and almost one was a constant of the providing and damage as a large troots should constant and damage as a large troots should constant of the providing and damage as a large troots should constant of the providing and damage as a large troots should constant of the providing and damage as a large troots and the providing troots and the providing troots are troots and the providing troots and the providing troots are troots and troots are troots and troots are troots and troots are troots are troots and troots are troot viding no June or July frosts should come and damage same. Live stock in general is looking fine and should go out on the grass in good condition. The snow storm of a week ago has helped to moisten the ground on the high places and has taken the place of rain, which was needed in some localities—A. G.

VICTORIA CO., ONT.

VICTORIA CO., ONI.

HARTLEY. — Seeding has been going on for some time and many farmers are for some time and many farmers are through, or nearly through, the district in splendid condition and are promising to be a good crop. Help of farm is spendid condition and many farmers to be a good crop. Help of farm is very scarce and wages range for \$25 to \$20 a month for the summer. There has

10c. The latest success. Black Watch The big black plug chewing tobacco.

ONTARIO CO., ONT.

-W. M.

ONTARIO CO., ONT.

TAUNTON.—The past winter has been the most pleasant one ever experienced by the settlers of this section. The weather as the whole was excellent. Days with high winds and the mercury below zero were level in amount, of sunshine and good seleighing amount, of sunshine and good seleight amount, of sunshine and and and roads dried up; in a hurry, the land and roads dried up; in a hurry, the land and are result we have extra eaching by the end of the first week in April, and the middle of the month found nearly all the seeding of the month found nearly all the seeding and some half in the seeding by the common of the property of the month of the property and the seeding shape. The land worked up in splendid shape. The lan

WELLINGTON CO., ONT.

WELLINGTON CO., ONT.

ELORA—Seedling is nearly all finished. This is a most unusual state of things. Seed has gone into the ground in excellent condition. An optimisci feeling prevals general genera

appears to be an impossibility.—G. W. MOUNT FOREST.—The sugar making season has elessed for another year. The past season has been the most unfavorable searon for sum making for many years, as warm weather making for superior with the season of the seaso

NORFOLK CO., ONT.

SOUTH WALSINGHAM.—Farmers are through seeding. Wheat and clover look through seeding. Wheat and clover look may be a seed of the seeding through seeding wheat and seed of the seeding seeding. The seeding seeding seeding the seeding seeding seeding seeding the seeding se

BRUCE CO., ONT.

BRUCE CO., ONT.
HEPWORTIL.—Seeding is much earlier
than for a number of years. It has been
a very poor year for maple, it has been
a very poor year for maple with the winter well. There is a large quantile of potatoes still in the hands of farmers.
It of potatoes still in the hands of farmers.
We have the self at say price; about
County of the self at say price; about
self at the self at say from the self at self at say
self at self at self at say, which is
very high for this vicinity—J. K. L.

WILDON CO., ONT.

HURON CO., ONT.

the very high for this vicinity—J. K. L.

HURON CO, ONT.

GODERICH—An editorial representative of Farm and Dairy, in company with Mr. to George Laithwaite, the fourth prize wind of Farm and Dairy, in company with Mr. to Goorge Laithwaite, the fourth prize wind for the company of the company

IVE HOGS

We are buyers each week of Live Hogs at market prices. For delivery at our Packing House in Peterborough, we will pay equal to Toronto market prices. If you cannot deliver to our Packing House, kindly write us and we will instruct our buyer at your nearest railroad station, to call on you.

THIS WEEK'S PRICES FOR HOGS DELIVERED AT FACTORY

\$9.00 a Cwt. FOR HOGS WEIGHING 160 TO 220 LBS.

THE GEO. MATTHEWS CO., LIMITED BRANTFORD

PETERBOROUGH, - HULL,

ptionally fine herd. His facilities for king care of his milk were unusually ood. A running spring keeps a large tank anstantly filled with running water; the silk house being located some distance our the few

constantly filled with running water; the milk house being located some distance from the farm.

The Messrs. Salkeld have some good shorthorns. Mr. John Salkeld had a good shorthorns. Mr. John Salkeld had a good bunch of feeding cattle and some particularly fine Shorthorn cows. A bull owned bunch of feeding cattle mass and extract the salkeld had unusual merit. Leicester shell had been been successed as the salkeld had unusual merit. Leicester shell had been successed and the salkeld had been successed by the salkeld of Shorthorns and of Shire and Clydesdale of Shorthorns and the salkeld of Shorthorns and the salkeld of Shire and Shire an

MIDDLESEK Co., ONT.

CALDER. — The most extensive piggery, that the writer has yet seen, was at this place, on the farm of M. Abus J. at Mr. Jones is the rever of Delaware, and carries on extensive farm operations. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth wer. About 100 hogs in all stages of growth were about 100 hogs in all the stages in a little stages. No prepared for the over-sea's market. No prepared for the over-sea's market. No all this stock but what the farm produces.

—J. E. O. Editi Co. O. ONT.

ELGIN CO. ONT.

ELGIN CO., ONT.

FROME. — Feed seems plentiful, especially hay; good as sold as low as 87 a ton in the farm by sold as low as 87 a ton in the farm by sold as low as 87 a ton in the farm by sold as low as 87 a ton in the farm by sold as low as low

MANITOBA.

MARQUETTE CO, MAN.
KELLOE.—There has been a decided change in the weather since our last report. Skating has been so called the port. Skating has been so called the state of MARQUETTE CO., MAN.

Enclosed find my dollar for renewal subscription to Farm and Dairy. It is im-proving all the time.—A. E. Mercer, Al-

THE GLENHURST DISPERSION SALE

THE GLENHURST DISPERSION SALE

This old established and celebrated herd
of Ayriba at Glenhurst. Williamstown,
ont. was at Glenhurst. Williamstown,
ont. was a Glenhurst. Williamstown,
ont. was a Glenhurst. Williamstown,
ont. was a Glenhurst. Williamstown,
on wednesday. April in Barbard Barbard Barbard
of 2 weeks, brought \$12,000, an average and
to 2 weeks, brought \$12,000, an average and
to 2 weeks, brought \$12,000, an average and
to 2 weeks, brought \$12,000, an average
of the summer knocked off
one of the summer will be a compared to the summer will be a

The Glenhurst herd was renowned far The Glenhurst herd was renowned far and near for its winnings in the show ring and for utility purposes, were all bred by Mr. James Benning, or was one of the Mr. David Benning, who was one of the Mr. David Benning, who was one of the Mr. David Benning, who was one of the Mr. David Benning who was one of the Mr. David Benning who have a were of Quebe. The fact that the Protection of Quebe. The fact that shock bull, Drongan and Sandan and Sandan (Imp.) 2837—speaks favorboursance, benning as a stockman.

gra Can 37c, No. Tor Co 65½ 61c to busi

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stoom buil. Deorgan Main's Guarantees a speak avorably for Mr. Benning as speaks favorably for Mr. Benning as speaks favorably for Mr. Benning as well as the season of th

ers' Association. Huntingdon, OmeThe bidding was keen on the imported
bull, and Trethwere secured him at 257.

P. Rran secured some of the best, ren's
pressed by the secured some of the best, ren's
Sign. This helfer. White Floss of
Glenhurs.—2550 helfer. White Floss of
Glenhurs.—2550 helfer. White Floss of
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FEMALES-COWS Silver Lass of Glenhurst —2509. Ontargrand Description of Grand Descri of Glenhurst -25020, Ontar-8325

(Continued on page 23)

**************************** MARKET REVIEW AND FORECAST MARKET REVIEW AND FORECAST

Toronto, Monday, April 25th, 1910.—Whilst there is no question as to the progress that Canada is making in her industrial and Canada is making in her industrial and the control of the co

WHEAT

There has been a rally in the wheat market, due to extensive buying, but there is nothing to show that this is caused by any panicky feeling in regard to the state of the crop. Wheat at Liverpool closed \(\)\jd d higher on Priday, but the continental markets were lower in tone. May wheat at \$1.08; July advanced to \$1.01\(\)\jd and September at \$97\(\)\jd e.

Local quotations are as follows: No. 1. Northern, \$1.09; No. 2. \$1.00 thrack; \$1.00\(\)\jd and \$1.00\(\) consistency and \$1.00\(\)\jd consistency and There has been a rally in the wheat mar

COARSE GRAINS

CUARSE URAINS
The market is steady for all kinds of grain and quotations are as follows: Oats, Canada Westerns, No. 2, 38e to 39e; No. 3, 7c, lake ports; No. 2, white, 56e to 35½c, No. 3, 35e to 35½c, outside: 38½c on track,

Toronto.

Corra, American, No. 2, 66e to 665/6e; No. 3, 65/6e; No. 3, 645/e; Canadian corn, 60e to 665/e; No. 3, 645/e; Canadian corn, 60e to 666; paushel. Barley, 53 to 56e; peas, 75e to 76e; rye, 87e to 60e; buckwiteat, 51e a bashel. On the farmers' market, oats are reasonable, on the farmers' market, oats are rye, 68e, and buckwheat, 56e to 57e a bush. In Montreal the trade is quiet, and the following are the prices: Oats, C. W., 41e to 41/2e; Ottatrio oats, 36e to 49e; peas, 74e; Milling barley, 68e; peas, 16e; buck wifest, 55/6e to 58e a bushel, out of stories.



Removes Bursal Enlargements, Thickened, swollon Tissues, Thickened, swollon Tissues, Thickened, swollon Tissues, Thickened, swollon Tissues, Thickened, Th

Mr. Advertiser NOW IS THE TIME

To reserve space and prepare copy for your advertisement in the next Special Magazine Number of Farm

The Farm Improvement Number, May 5

If you have anything that the farm er will use to improve his property, now is the time to advertise it, for he will be looking for your adver-tisement on May 5th. Last form closes April 30th.

ADVERTISING DEPARTMENT

FARM AND DAIRY. PETERBORO

EGGS AND POULTRY

EGGS AND POULTRY
The price of eggs still keeps up although
supplies are abundant, the reason of
course being the continued high prices for
all classes of meat. Wholesalers quote
them at 28 to 12 a dozen. On the farmers
market they are quoted at 22 to 32 a doz.
on the strong in Mourtrad owing
chiefly to the strong in Mourtrad owing
chiefly to the strong in Mourtrad owing
hiles by the trade, and the heavy demann.
they are quoted at 226 to 12 a dozen.
Good poultry are scarce on the Toronto
and Montreal markets, the prices in Tormod Montreal markets, the prices in Torton Mourtreal markets, the prices in Torton Mourtreal markets, the prices in Torton Mourtreal markets, the 15 to 16 a 1b.
POTATOES AND BRANS
Supplies are still very heavy, and OntarSupplies are still very heavy, and Ontar-

los a bi; geese and ducks, isc to ite a lb.
Supplies are still very heavy, and Ontarless and the still very heavy, and Ontarless are still very heavy, and of still
still be still be still be still

SEEDS

SEEDS

The following prices rule in Toronto:
No. 1 alsike, 85.50 to 89.50; No. 2, 88 to 88.25; No. 3, 86.50 to 87; alfalfa, No. 1, \$14 to 815; timothy, 82.75 to 83.50, according to quality; best red clover, 810 to 811.

HIDES

The market is steady, and local dealers make the following quotations: No. 1, steer and cow hides, 11½ e a lb, Nos. 2 and 3, each, le lower respectively; calfakins, le to 15c a lb; sheepskins, \$1.20 to \$1.25\$. Montreal price in calfakin have advanced, 15c to 15c a lb. being paid for No. 1 quality; steers and cows. 10½ to 12½c, according to quality; steers and cows. 10½ to 12½c, according to quality; steers, be 10c a lb. The market is steady, and local dealers

DAIRY PRODUCTS

DAIRY PRODUCTS

Dairy products are still more than holding their own in price on the local market owing to seant receipts, but there is every likelihood of an easier market soon, owing to the early break up of the winter and the ability to get cattle out to pasture. Prices for choice creamery prints rule from 36e to 35e; dairy, 35e; separator, 25e to 26e, and ordinary quality fee to 18e and ordinary quality at 26e to 25e a lb.

New cheese has arrived in small quantities on the market, and the price is high, being quoted at 15e for large and 15%e for twins.

twins.

In Montreal prices for butter are still very high although receipts are large, creamery butter being cutted at 36 to 56, and best dairy at 28 to 56 a lb. There is a small amount of last year's cheese still on sale and it is cnoted at 12% to 12% a lb.

MAPLE SYRUP

Maple syrup is selling on a steady demand on the local market at \$1 to \$1.10 per gallon. In Montreal sales are light, with prices at 6c to 6½c a lb. HORSE MARKET.

Trade for the Northwest has shown signs of falling off during the past week, but some few shipments have been made.

Prices range as follows: Heavy draft horses, 8200 to \$240: agricultural horses, \$160 to 8200 drivers, \$100 to \$225: expressers, \$140 to \$225, and serviceably sound horses at 850 to \$100.

LIVE STOCK

LIVE STOCK

The fears of those who thought that the top notch in the prices of cattle had been reached, was not long lived, for during reached, was not long lived, for during real sale of fine steers being made at that figure. The quality of the cattle offered was distinctly superior to what has been on sale in the market for the past few weeks, and dealers bid eagerly against each other. Even fair quality butcher cattering the same properties of the same price at \$9.5 and \$9.55 fed and watered. Sheep foot, and \$9.55 fed and watered. Sheep Friese for hoog at other centres, such as Chicago and Buffalo, are a trifle lower, at the former place quotations being \$9.15 to \$9.55, and at the latter, \$9.50 to \$9.00 a cut.

wt. The following prices for live stock have uled during the past few days in Toronto; Export cattle, choice—86.50 to 88: medium, \$5.50 to \$6.25; ordinary, \$5 to \$6. Feeders—\$3.50 to \$5.65. Stockers—\$3 to \$5.25; canners, \$2.50 to

55. Butchers' cattle, choice—86.50 to 87.50; or-linary, 84 to 85.75. Milkers, choice—840 to 875; ordinary, 835 o 855; springers, 835 to 860; calves, 83.50 to

Sheep, ewes—\$6 to \$7; bucks, \$5 to \$6; lambs, \$7.50 to \$9. Hogs—f.o.b., \$9; fed and watered, \$9.25 a

The Trade Bulletin's London correspond-ent cables: "The market is weak and 3s to 4s lower, Canadian bacon being quoted at 53s to 57s."

PETERBORO HOG MARKET

PETERBORO HOG MARKET
Peterboro, April 25. — Danish hogs delivered on English markets last week
totalled \$6,000. The demand for bacon in
the Old Country is very poor. The delivery of hogs on the local market is heavier.
The George Matthews Co. quote the following prices for this week's shipments: £0.b.
country points, \$8.75 a cwt; weighed off
cars, \$94 a cwt; delivered at abautoir, \$9

MONTREAL HOG MARKET

MONTREAL HOG MARKET
Montreal, Saturday, April 23. — The market for live hops secred an advance this
week, owing to the small quantity offered,
a cert, for selected lots weighed off cars.
There was a good demand and everything
in sight was cleaned up.
Dressed hops are firm with quotations
ranging from \$84 to \$84.50 a cert. for freshkilled abstricts stock.

EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHEESE Montreals Startday, April 25. The marked the startday appears to the start and prices have been easily and prices have been easily and prices have been easily appears and prices have been easily appeared to a startday appear and prices to the lack of interest in the article manifested by the British importers, and the lack of facilities for shipment at present, and as the local dealers are not prepared to pay full title of the startday of the market, and as a consequence prices have declined. The bulk of the cheese of fered at the country boards this week sold at about 11%, but even less was paid at about 11%, but even less was paid at about 11% of the cheese of fered at the country boards this week sold at about 11% of the theory of the startday of the startday

WESTERN CANADA FARMS FOR SALE

H. F. LINDE'S LIST

H. F. LINDE'S LIST

I am in a socilion to give you be more valuable information regarding Western Connada Landa. I have many desirable properties to offer at all times:

RICT-You know its reputation; 1,000 acres cultivated, clean, new land; sit room extraction to the control of the control

ranged
I have some attractive FRUIT and
DAIRY FARMS to offer in the FRASER
VALLEY, near VANCOUPER, NEW WEST,
MINSTER and CHILLIWACK, B. C. Write
me at once for my British Columbia Cata-

payments at 6 per cent.

860 ACRES — SASKATCHEWAN — 3%

800 ACRES — SASKATCHEWAN — 3%

miles from Bladworth on the C. N. By:

excellent soil: good settlement; 810 per

gravelent soil: good settlement; 810 per

payments at 6 per cent. Thance 4 year

payments at 6 per cent. Thance 4 year

payments at 6 per cent. Thance 4 year

gravelent at 6 per cent. Thance 6 per

gravelent canda at 55 per agree; casy

of meetern Canada; 815 per agree; casy

ACRES-CENTRAL ALBERTA-Close to Innisfall; has been improved; the Consistency of the Consistency of

will make an ideal grain and these and still provided to the still

H. F. LINDE, Box 44, WADENA, Sask.

Receipts are increasing steadily, the total for this week being 2,754 boxes, as compared with 2,317 boxes for the corresponding week last year, indicating a slight increase in the production this year in

Anti-Trust Prices Freight Prepaid on FARM and TOWN

Telephones and Switchboards

Poles, Wire, Brackte, Insulators, Tools, Lightning Arresters, Ground Rods, Batteries, Insulators, Wire, and everything necessary.

NO CHARGE for our experts' letters of advice, drawings, explaintended, and the state of the sta

We have a splendid money-making proposition for good agents. The Dominion Telephone Mfg Co., Ltd. Dept. D, Waterford, Ont., Canada

HOLSTEINS

BULLS! BULLS! BULLS!

A less than half their value for the next ages.

30 days. Write

GORDON H. MANHARD

MANHARD, ONT., Leeds Co. SPECIAL OFFERING

Bull one year old. Dam Jossie Bewu osch R. of P., 15,349 lbs. milk. His full str's record at 2 years old (first calf), O. is 64'4 lbs. milk in 1 day; 15.65 U. of 15 days; 62.77 in 30 days. P.

EDMUND LAIDLAW & SON Box 254 Aylmer West, Ont

SUNNYDALE

OFFERS A GREAT BULL. Duchland Sir Hengerveld Maplecroft No. 5280. He is a son of the champlon bull of the Holatein of the pictures of the two bulls ap-pear in the pictures of the two bulls ap-pear in the pictures of the two bulls ap-pear in the picture of the two bulls ap-pear in the picture of the two bulls ap-ters milking. One teest 3.7, the other 4 per cent.

A. D. FOSTER, Bloomfield, Ont. E-5-5-10 Hallowell Station, C.O.R

LAKEVIEW HOLSTEINS

Count Hengerveld Fayne De Kol header the herd. His sire, Pietertig Hengerveld Count De Kol, is the sire of the world's Count De Kol, is the sire of the world's Market Hengerveld Count De Kol, is the sire of the world's Aller of the World's Count De Kol, is the sire of the world's Count De Kol, is the sire of the world's Count De Kol, is the sire of the world of the Count De Kol, is the sire of the world of the Count De Kol, is the sire of the world of the Count De Kol, is the sire of the world of the world

E. F. OSLER, Bronte, Ont.

GLENSPRINGS HOLSTEINS

Several fine young bull calves from A. O. and R. O. P. Cows now on hand. One or two YOUNG HEIFERS from good milking strains, left. Buyers will do wel to order bull calves for next year. Will also sell one or two good COWS at a reasonable price. Speak quick. Price according to value as producers. (E-7-21-10

E. B. MALLORY, Frankford, Ont.

RIVERVIEW HERD

year old

E-10-6-10

P. J. SALLEY Lachine Rapids, Que.

THE SUMMER HILL HEAD OF HOLSTEINS

Is making some wonderful Records.

This year it has produced the champion Chandian bred butter over for F days re ord. 316 lbs., also the production will be used to be used to

Come and make your selections AT ONCE. Prices are right and everything guaranteed just as represented. Trains met at Hamilton if advised.

D. C. FLATT & SON, Millgrove, Ont R. D. No. 2 E.T.F.

Farm Phone, No. 2471 Hamilton.

HOLSTEINS

WINNERS IN THE RING Gold Medal Herd at Ottawa Fair

WINNERS AT THE PAIL See Our A.R.O. Records

Just the kind we all want. They combine CONFORMATION

PRODUCTION

Bull and Heifer Calves for Sale from Our Winners

LES CHENAUX FARMS"

Vaudreull, Que.

Dr. Harwood, Prop. D. Baden, Mg

HOLSTEINS

FOR SALE.—Cornelia's Posch, five times lst prize bull at Toronto and London Fairs; also five of his sons, all from record of merit cows. Also females of all

THOS. HARTLEY Downsview, Ont

HILLSIDE VILLA HOLSTEINS FOR SALE

From great milking strains; three bulls ready for service; also spring calves of both sexes. All pure bred, descendants as high as 106 lbs. per cow. Prices right.

GORGE ROACH, Abbotsford, Que.

THE EVERCREENS HERD OF HOLSTEINS IRL PERSONELLAS MENU TRUDILINO
Has just passed seren more ago ows in record of merit. One 2 year old making in 7 days 17.7 lbs. butter. In 7 days 17.7 lbs. butter. Varies 25 days made in 7 days 21.5 lbs. butter. We are offering the bull calves from these heifers; also heifer calves sired by these heifers; also heifer calves sired by the passed of the record of the

lbs. in I day. GEO, W. ANDERSON, Rossmore, O

LYNDALE HOLSTEINS

Te are now offering for sale a 13 son of "Count De Kol Pretertij : of a 20 lb. dam; also a son of agerveld Korndyke, from an 18 lb. h choice individuals, fit for serv BROWN BROS, LYN, ONT

NORTH STAR HOLSTEINS FOR SALE

Bulls ready for service, out of high testing A.R.O. dams, sired by Count Hengerveid De Kol, a son of Sara Jewel Hengerveid 3rd, the highest tested, (30.39), highest priced cow ever in Canada. Also a few females in calf to same bull. ETF

J. W. STEWART, Lyn, Ont.

HOLSTEIN BULLS Ready for service fine individuals from big producing cows

R. F. HICKS

AYRSHIRES

BULL CALVES Bull Calv

Bull Calves only from R. O. P. cows and others now on test. Ages from one week to 12 months. Prices right. Long distance phone.

JAS. BEGG, Box 88, St. Thomas, Ont

SPRINGHILL AYRSHIRES Imported and home bred stock of al, ages for sale. Stock shown with grea success at all the leading fairs.

ROBT. HUNTER & SONS
Maxville, Ont
distance phone. E-7:1:10 Long distance phone.

FOR SALE-AYRSHIRE BULLS From one month to two years old; all bred from large, good-milking stock. Also Yorkshire pigs. Apply to

Yorkshire pigs. Apply to DANIEL WATT OR TO HON. W. OWENS, Manager, Proprietor, 8-5-19-10 Riverside Farm, Montebello, Que.

BURNSIDE AYRSHIRES

HAVING disposed of my 1996 importation. I intend leaving about March 1st, for another lot. I expect to have a number of June. Orders entrusted to me will be obtained by June 1st, and former on hand, of choice breeding, and former on hand, of choice breeding, and former of hand, of the control of Burnside Stock Farm, Howick, Que

AYRSHIRES

Ayrehires of the right stamp for production combined with good type and quality. Write for prices. O-12-22-10 R. M. HOWDEN, St. Louis Station, Que.

STADACONA FARM Show a Record for 1909

Show a Record for 1909
At Three Rivers, Quebee's Provincial
Exhibition, at Sherbrooke, Ganada's Great
Fastern Show, at Ottawa, the Dominion's
lorge Central Pair, at Barton, Vermont,
lorge Control Pair, at Control Pair
lorge Control
lorge Cont

GUS. LANGELIER , Cap Rouge, Que

spite of the reports from some sections of the country to the contrary. The country to the country strong and Tarter markets is very strong and the country, and the market in Montrer of the country, and the market in Montrer of the country strong cleaned up every day at full prices. The country country country is a country to the country of the west, indicating a general shortage of the West, indicating a general shortage in the supply of butter. Prices on this market range from 3ie to 30½ a 1b, and market range from 3ie to 30½ a 1b, and near country at from 3ie to 30½ a 1b, and cance country at from 3ie to 30½ a 1b, according to section.

GOSSIP

GOSSIP

Among the leading life insurance companies of Canada, and one in which arm ers are especially interested, is the Maria Life of Canada. The financial statement of the Mutual Life is given elsewhere in this companies of the Canada. The same of the growing companies are with being by virtue of fair dealing, arrowth being dome in the interests of the policy holders.

Mr. A. A. Colwill, breeder of Tamworth wine and Shorthorn cattle, calls special attention to the two Shorthorn bulls he attention to the two Shorthorn bulls he prices. They are and the special speci

CRUMB'S IMPROVED STANCHION



WALLACE B. CRUMB, Box D2. Furestville, Co.

Dr. Bell's Veterinary Medical Wonder cures inflammation of lungs, bowels and DR. BELL, V.S., Kingston, Ont.

MISCELLANEOUS

TAMWORTH AND BERKSHIRE SWINE,— Boars and sows for sale J W. Todd. Corinth, Ont. Maple Leaf Stock Farm.Etf

TAMWORTHS AND SHORT HORNS FOR SALE

Young and matured sows sired by Imp Hamby Colwill's choice Canada Chamby Colwill's choice Canada choice pign of the 199-33 and 08. Also choice pign of the 199-34 and 08. Also choice pign of the 199-35 and 08. Also thoice pign of the 199-35 and 08. Also those pign of the 199-35 and 08. Also cellent milking strain. The canada heri-ers, 2 years old, in calf to choice buil. A. A. COLWILL, Box 9, Newcastle, Ont

EASTWOOD YORKSHIRES

Spring pigs for sale from best strains for delivery in May at prices you can at-ford to pay; pedigrees furnished. Several registered Yorkshire sows for sale. Write to Eastwood Farm, Box 701, Trenton, Ont.

AYRSHIRES

"La Bois de la Roches" Stock Farm

Here are kept the choicest strains of AYRSHIRES, imported and home treed. AYRSHIRES of the best bacon typed. ORDINGTON, WHITE WYANDOTTES ORPINGTON, WHITE WYANDOTTES, ORDINGTON, J. A. BIBEAU, Proprietor

Ste. Anne de Bellevue, Que

CHERRY BANK STOCK FARM CHERRY BANK STOUK FARM FOR SALE-Buil caire, sired by Helb erhall Milkman, the champion pulc Canada. One buil cair two weeks of gred by Morton Mains Queechy, Junior erhall Douls Toronto. 1988, and by Neth-erhall Douls Toronto. 1988, and by Neth-ser, is our motto. Visitors welcome the best, is our motto. Visitors welcome the Deep Company of the Company of the Deep Company of the Company of the Deep Company of the Company o P. D. McARTHUR, North Georgetown, Howick Station 0-6-23-10

more heifers offered. Mr. Coiwill calls special attention to a pair of choice two dependence of the control of

Editor Farm and Dairy.—You will be pleased to know that the boom in Holphased to know that the boom in Holphased to know that the boom in Holphase the strength of the province has now been strengthened by province has now been strengthened by province has a car load from the neighborhols week a car load from the neighborhols week a car load from the neighborhols from the latest and have a car load went to Winchester, Onit another car load went to Winchester, Only another car load went to Winchester, Only have from the car with the c

Quebee, who is commencing a fine herd of sproducers.

This province has some Holsteins of exceptional breeding and performance, although we have not done so much testing the province of the

EXCEEDED EXPECTATIONS — Parm and Dairy has always received a good word in favor of the preventions and have been given away free in return that have been given away free in return and the seek from Mr. A. E. July hard last week from Mr. A. E. July with the second of the seco

Enclosed find \$1.00 for my renewal sub-scription to "Farm and Dairy." I am very much pleased with the second annual "Poultry Number." "Farm and Dairy" is the best agricultural paper printed in Cannda to-day.—S. A. Tucker, Northum-berland Co., Ont.

A Fine Growing Pig.—I take pleasure in advising you that the pure bred Chester White pig. with Mass sent me by Farm and Dairy from the sent me by Farm and Dairy from the pig. An one within the pig. and the pig. Anyone wishing to secure pure bred Chester White pigs will be safe in getting them through Farm and Dairy.—A. C. Whitley, Grenville Co., Ont.

HOL Lin year lbs. 1 fat, 2

Ans 11,745

avera

Sey year lbs. 1 fat, Ont. Jess class 365 di ed by Pricelass in 322 Owne Ber lbs. I class; in 303

Owne Spri 11,655. days; ed by Cou elass: in 347 Owner Lad 9,016.6 days ed by Mag class; in 350 Owner Trei 792.4 I avera B. Ma Dais 12,268.

days; ed by Ride matur lbs. fr fat, 3 ton, 6 class: in 356 Owned Ont

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HOLSTEIN-FRIESIAN NEWS

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

HOLSTEIN COWS ACCEPTED IN RECORD OF PERFORMANCE

Lina Netherland Abbekerk (12158) four year old class: 12,773 51 lbs. milk and 419.78 lbs. fat in 288 days: average per cent. of fat, 5.28. Owned by H. Bollert, Cassel, Ont.

fat, 532. Owned by H. Bollert, Cassel, Ont. Assgrid Mercedos (766) to year old class; 11,76 lbs. milk and 3998 lbs. fat in 86 days, average per cent of fat, 540. Owned by J. M. Van Patter, Luton, Ont. Seymour Mechthide De Kot (5974) three year old class; 19,697 lbs. milk and 364.38 lbs. fat in 35 days; average per cent. cf fat, 3,5. Owned by J. A. Cassey, Madoo, Ont.

Jessie De Kol Echo (6295), three year old lass; 12,905 lbs. milk and 383.59 lbs. fat in

class: 12,986 lbs. milk and 38,59 lbs. fat in 368 days; average per cent. of fat, 297, Owned by J. A. Caskev, Madoe, Out.

Princess Richen De Kol (798) it we year old

Princess Richen De Kol (798) it we) year old

gradient of the fat in 32 days; average of the 328 days; average on one of 328 days; average owned by its and Richen Milk and 530 of 71 bs. fat in 327 days;

be. milk and \$30 of 71 bs. fat in 327 days;

lassie Artis Johannu (1998), two year old

lassie Artis Johannu (1998), two year old

a Sefense per cent. on an a. a.s. Swared by reSwheing, Schringville, OniSwheing, Schringville, OniSwheing, Schringville, OniSwheing, Schringville, OniBarton, Swares, Swares

class: 1,540,75 lbs. milk and 38,320 lbs. fat in 37d days; average per cent of fat, 2,65. Owned by Samuel Lemon, Lynden, Ont. Lady Trenton (7859), two year old class; 19,505 lbs. fat in 307 ddays average per cent of fat, 4,55. Owned by B. Mallory, Belleville, Ont. Maggie Verbelle (7860), two year old class; 10,623,9 lbs. milk and 329,44 lbs. fat in 509 days; average per cent of fat, 3,65.

Margie Verhelle (7860), two year old class: 10,629 bls. milk and 23,94 lbs. fat in 359 days: average per cent. of fat, 310. In 350 days: average per cent. of fat, 310. Trenton Erich (397), blinding of the 10,70 days: average per cent. of fat, 2,95 downed by B. Mallory, Belleville, Ont. Daky Verbelle (597), 600 year old days. Daky Verbelle (597), 600 year old days. Daky Verbelle (597), 600 year old days. On the 10,70 days: average per cent. of fat, 3,65. Owned by B. Mallory, Belleville, Ont. Rideau Dellah Princess De Kol (4611), mattree class. 15,6967 lbs. milk and 464.3 days: average per cent. of fat, 3,60. owned by C. Duff Welles, box of fat, 3,60. owned by C. Duff Welles, box on, Ont. Ont

ton, Onc. Faforit of Downsview (7936) two year old class; 10,654.5 lbs. milk and 383.56 lbs. fat in 356 days; average per cent. fat, 3.53. Owned by Thomas Hartley, Downsview,

G. W. CLEMONS, Secretary

OFFICIAL RECORDS FOR MARCH, 1910. Shadeland Milly De Kol (11670) at 9 years 8 months and 6 days of age, 20,88 lbs, butter

IMPORTATION OF STOCK

Space in the Association cars will be reserved for all stock coming from the East to B. C., providing the owners, or importers, make application for definite space before April 30th to R. W. Hodson, Live Stock Commissioner, Victoria, B. C.

The B. C. Stock Breeders' and B. C. Dairymen's Associations pay half the transportation expenses.

fat equivalent to 26.11 lbs. butter; 482.0 lbs. mills. Owned by Gordon H. Manhard, Marhard, Ont.
Dalsy Akkrur. De Kol (2652) at 8 years, valent of s.e., 15.20 lbs. butter fat, equivalent of s.e., 15.20 lbs. butter fat, equivalent of years, 15.20 lbs. butter fat, equivalent of years, 15.20 lbs. butter fat, equivalent of years, 15.20 lbs. butter fat, equivalent of age, 15.60 lbs. butter fat, equivalent of years, 12 months of age, 15.60 lbs. butter fat, equivalent of years, 15.00 lbs. butter, 15.95 lbs. milk owned by Gordon H. Manhard, Manhard, Ont.

nt.

Axie De Kol of Riverside (3400) at 9 years
month and 11 days of age. 17.60 lbs. but
er fat, equivalent to 22.00 lbs. butter:479.6
bs. milk. Owned by Fred Abbott, Harriets

ille. Ont.

Irene May (3566) at 8 years, 4 months and 5 days, 16.59 lbs. butter fat. equivalent to 5.74 lbs. butter, 485.2 lbs. milk. Owned by 5.74 lbs. butter, 485.2 lbs. milk. Owned by Delta Gem (4538) at 6 years, 6 months and 8 days of age, 16.35 lbs. butter fat, equivalent to 20.44 lbs. butter; 435.5 lbs. milk. whened by Gerdon II. Manhard, Manhard,

wmed by Gordon II. Manhard, Manhard, mr. minim Wayne Anagric De Kot (4620) at 7 cers, it month and 7 days of age, 1,5 d lbs. butter, fat, equivalent to 1,8 d lbs. butter, 68 lbs. milk. Owned by A. C. Hardy, rockyille, Ont. Lizzte De Kol 3rd (4329) at 6 years, 9 couths and 27 days of age, 1,5 d lbs. butter, 1,5 d lbs. butter, 1,5 d lbs. milk. Owned by Fred Carr, 8t. Thom

Sherwood Gano's Pride (5967) at 6 years Sherwood Gano's Pride (5967) at 6 years months and 6 days of age, 14.83 lbs. but ter fat, equivalent to 18.54 lbs. butter; 467, lbs. milk. Owned by Fred Carr, St. Thom as, Ont.

108. mls. Owned by Fred Carr, St. Thom.
200. The Market St. Thom.
201. The Market St. Thom.
201.

(To be continued next week.)

The Duchland bill offered for sale from "Sunnydale" is a son of the great built Pieterle Hengerveld's Count De Kod, the Pieterle Hengerveld's Count De Kod, the Law of the County of the County of the County of the Law of the County of the Law of the County of the Law of the County o

A NEW MILLING COMPANY

A NEW MILLING COMPANY
The new big Ontario milling concern
which will be known as the Maple Leaf
Milling Co., Ludited, and with
it the Hedley Flour Mills Co., Ltd., and with
it the Hedley Flour Mills Co., has already
under way the construction of a 6,000 barrel
mill. a million bushel circutor, and stormill. a warehouses out on the new piers that
have been constructed at Port Colborne. It have been constructed at Port Colborne, It takes a pile of money to carry through such big undertakings, and the men who are at the head of the new company, including Mr. Cawthra Mulock, of Toronto: Mr. Hedley Shaw, founder and head of the companied the Mayle Leaf Plour Mills Co., Ltd., have supplied \$1,000,000 of additional cash capital, which besides permitting of the completion of the entire new plant already under way at Port Colborne, and the construction of some Drew elevators company with further working capital tog origin abed and get its full share of the larger business that is offering, not only so right ahead and get its full share of the larger business that is offering, not only throughout Canada, but more especially in Great Britian and various foreign markets. Just what the elevator capacity of Canada is going to be in a few years hence, it is almost impossible to say, but some idea of how it is going to increase may be gathered from the remark of Mr. Wan. Whrte, the Vice-President of the Can. Pacie for the canada of t before Canada is producing even more wheat than all of the United States. When it is remembered that last year our neigh-

ors to the south produced somewhat over even hundred million bushels, it will be een that the mills of Canada will have all seen that the mills of Canada will have all they can do to cope with the western crop. The new big minig company will have its head office in Toronto, while all its tas head office in Toronto, while all its mills, with one exception, are situated within the Province of Ontario, in addi-within the Province of Ontario, in addi-tion being R. Catharines, Throrold, Wel-land and Kart. The only mill at present outside the prince is the one at Braa-don, Manitoba don, Manitoba

THE GLENHURST DISPERSION SALE

THE GLENHURST DISPERSION SALI (Continued from page 50) Her heifer calf, R. M. Howden, St. Louis Station, Que. Glenhurst Fay —29862—, 4 years old, P. Ryan Her heifer calf, D. Letitch & Sons Res of Glenhurst —5935—, W. J. Wall-primrose 3rd of Glenhurst —5990—, Ed. Maxwell 145 rimrose 3rd of Glenhuret Maxwell uth of Glenhurst -29883-, W. G. 200 uth of Viennus.
Trethewey. Leitch & Sons
er bull calf, D. Leitch & Sons
ses 3rd of Glenhurst -29853-, Ont.
Agricultural College
er bull calf, J. McBride, Northfield, Trethewey

Trethewey

G. Brownie of Glenhurst — 29869— W. G. Ber buil call, D. Leitch & Sons

Fearl — 1437— Wm. Hunter

Her heifer calf, D. M. Watt, St. Louis

Stn., Que.

Brownie of Glenhurst — 29866— W. G.

Trethewey Brownie of Glenhurst — 2896— W. G. Trethewey G. G. Grenhurst — 2197— 200 Her bull call, D. Leitch & Son. 3 3 White Floss of Glenhurst & 2593— 3 White Floss of Glenhurst & 25936 Sons. 55 Glenhurst Chief. D. Leibl & Sons. 55 Glenhurst Chief. Sons. 55 Glenhurst Chief. Sons. 55 Glenhurst Alice — 2995— W. G. 380 Glenhurst Alice — 2995— D. T. Ness. 100 Her heit, Qu. 300 Glenhurst James Symons, St. Lou. 35 Glenhurst Hippin — 2955— J. years, P. 25 Glenhurst Flippin — 2955— J. years, P. 25 Hippin — 2955— 295 Ryan.... Her heifer calf, James Symo

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Glenhurst Guarantee —2008—, O. H. Me
Glenhurst Guarantee —2008—, O. H. Me
Win. Paul, Peterboro, Ont. 100
Glenhurst Mains —2003—, A. Kennedy &
Bud's Guarantee of Glenhurst —2004—,
Ont. Agricultural College
Hud's Guarantee of Glenhurst —2004—,
Ont. Agricultural College
J. A. Major, North Lancaster
J. A. Major, North Lancaster
W. H. Laturelle, South Gower, Ont. 5,
A. A. Major, Maj BULLS OF 1909.

White Drongan of Gienhurg — 29674— N. Copeland, Cornwall, Ont.
Copeland, Cornwall, Ont.
May's Guarantee of Glenhurst — 29652—
J. F. Annibel, Moulinette, Ont.
Kilbowie's Guarantee of Gienhurst — 29,
993—, P. Ryan
King Drongan of Gienhurst — 29902—
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