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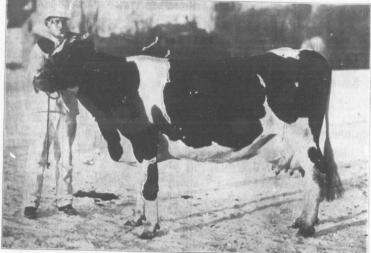
VOL. XXX

NUMBER 6

RURALHOME

PETERBORO, ONT.

FEBRUARY 9.



A HEAVY PRODUCING GRADE COW OF SPLENDID DAIRY CONFORMATION It is encouraging to learn from time to time that we have in this country so many heavy producing dairy cows. splendid yearly records have been reported from many quarters, which goes to show the wide distribution of the good splendid yearly records have been reported from many quarters, which goes to show the wide distribution of the good ones. May we hope that soon the "average" cow as we have known her in recent years will soon be a thing of the past and that our dairy farmers will be content only to keep something a great deal better than they formerly had. "Dora," the grade cow here shown, gave in 365 days last year 18,500 lbs, of milk. She is ½ Holstein, and is owned by Neil Sangster, a well known Holstein breeder at Ormstown, Que. She topped the list in the grade class, by a wide margin, at the Eastern Live Stock & Poultry Show.

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Parchment Paper Windsor Salt Butter Coloring Fluid **Curd Cutters** Vats (all sizes) **Butter Moulds and Printers** Large and Small Scales Butter Boxes and Tubs

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Bearling the factory carrier outil you should see different makes in operation. This is the only way to insure getting the Beat.

Our catalogue is free. In writing let us ow how many feet of track you will re BEATTY BROS., FERGUS, ONT.

We also manufacture Steel Stalls, Stanchions and Hay Tools.

Assistance in Drainage

Assistance in Drainage

In July 1909 the Department of Physics at the O.A.C. prepared a plan of drains for a 52 acre block of land that had never grown a crep; it was too wet. The drains were laid that the drained of the state of petates and other 52 acres yield edipetates and other 52 acres yield reduced petates and other the wire allowed with the same of the state of the state

The Ontario Agricultural College is endeavoring to help those in doubt about drainage. Any farmer in Ontario wishing assistance in his drainage problems may have the same by making application to the Department of Physics, O.A.C., Guelph. As soon as possible after receipt of the application a drainage adviser is sent to make a survey of the land, after which he makes a complete map show-ing the location of the drains, the grade, size of tile, etc. When com-pleted the map is sent to the owner, so that he has an accurate guide to so that he has an accurate guide to follow in putting in his drains. As in previous years, the only outlay to the farmer is the necessary travelling expenses of one man in connection with the survey. The railways give a cate of a cent a mile for this work, so that the travelling expenses are

How to Organize a Grange Win you kindly let me know through the columns of Farm and Dairy how we should proceed to have a urange organ-ized here in our locality -J.B.H., El-ward with the column of the column We would urge you to interest enough farmers in your locality to

warrant calling a meeting for the pur-pose of crganizing a grange. Then notify the secretary of the Grange, J. J. Morrison, Arthur, Ont., in time that he may secure an organizer to that he may secure an organizer to attend your meeting and finish the good work of organization, which you have commenced. All other informa-tion you may need you will find in the constitution of the Grange, a copy of which you may receive on appli cation to the secretary, who will promptly on request supply you with literature in regard to the Grange.

Items of Interest

W. W. Beilantyne, Stratford, Ont., has been reappointed as a director of the Canadian National Exhibition to represent the Dairy interests.

Twelve pupils have been enrolled

in the short courses in agriculture conducted by S. E. Todd, B.S.A., in Petrolia, Lambton County, Ont. The Ontario Good Roads Associa-tion will meet in Toronto (York

The Ontario Good Roads Associa-tion will meet in Toronto (York County Municipal Building, Adelaide Street, East) on Wednesday, Thurs-day, and Friday, March 1st, 2nd, and 3rd, 1911. It is anticipated that single fare rates, on the standard certificate plan, will be in force on the culture.

A Bill has ben given its first read-g in the Ontario Legislature re-ealing a section in the Public ing in the Ontario Legislature re-pealing a section in the Public Schools Act, the following to be sub-stituted therefor: The school year shall consist of two terms, the first of which shall begin on the first day of September and shall end on the 22nd day of December, and the second of which shall begin on the 3rd day of January and end on the 29th day of June. of June.

The cost of the Senate for the fiscal year 1909-1910 was \$311,096.90, as against \$248,847.83 in 1896-1897. An analysis shows the while the idem-

nity paid to Senators in 1896-1897 amounted to \$147,908, it was \$209.645 last year. Travelling expenses of the Senators last year amounted to \$3,892, as compared with \$18,835 in 1896-1897, but in the latter year there were two sessions, and the venerable gentlemental not then received their annual

passes, The regulations is used by the Secretary of Agriculture of the United States Department of Agriculture, under date of November 25, 1910, regarding the recognition of specified breeds of horses, cattle, sheep, and hogs registered in the Canadian Notional Records, has been modified as to provide that no animal or anima

Pictures of Prize Stock

Expert judges, it is said, are born-not made. True, as this may be, it is certain that they must learn what is the approv-ed type of any class of ani-mals before they are able to act as judges of animals of that class. And where are the would-be judges to learn the type? Nowhere, perhaps, better than at our Live Stock Shows.

To attend all the leading exhibitions is an expensive business. Even then one finds it difficult to carry in his mind's eye with certainty the likeness of an animal. A photograph of a prize-winning animal is cherished by any fancier of that breed of stock. To satisfy this want and to enable all, even those who cannot attend the shows, to see the best, Farm and Dairy, after each of the leading live stock shows, issues at great expense To attend all the leading exshows, issues at great expense an illustrated supplement showing on superfine paper the prize-winning animals—putting pictures as good as the original

prictures as good as the original photographs before our readphotographs before our readers that they may learn to
know and appreciate the best
in various classes of live stock.
Our readers appreciate these
pictures, which they get at no
extra cost to them, along with
their regular subscription foour weekly issues of Farm and
Darly, costing them only \$1
Darly, costing them only \$1
Darly, and that many
Farman Darly readers are
preserving each size of our
supplement. Those who have
kept these from the first issue
now have a valuable collechave a valuable collection of photos of the best stock in the country that they turn to eagerly on occasions for study and comparison.

Have you filed away your copies of the Farm and Dairy Supplements? If not, start with this issue. You will soon with this issue. You will soon have a collection of great value. Detach the Illustrated Section from this issue and save it.

mals registered in the Canadian National Records shall be certified by the Secretary of Agriculture as purebred, except those which trace in all crosses, except those which trace in all crosses, where the breed originate, in the country where the breed originate, in the second of t le and favorably known all through Eastern Ontario, especially in the Breckville and Perth districts and should met with success in his new

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Vol. XXX.

FOR WEEK ENDING FEBRUARY 9, 1911.

LIVE STOCK SOCIETIES VS. SMALL FAIRS

A. W. Cohoe, Essex Co., Ont.

The Record of an Agricultural Society that has Given up Holding Small Exhibitions — It now Owns Pure Bred Sires-Remarkable Results in Stock Improvement-Some Advantages to Individual Members.

FTER an experience of nearly half a century with agricultural societies, I am very much in favor of pure bred stock societies as against small fairs or exhibitions. Every member has the same opportunity to share the benefits derived from the society when it keeps pure bred stock and when a member goes to his stables or fields after his society has been

connected with stock for a while he looks with pride at the improvement in his own live stock which he has got by using those pure bred sires owned by the society. This he will see every day in the year, and he will show his neighbors what he has gained by the scciety.

On the other hand, that man or his neighbor goes to a small fair. He may take some small prizes, which will scarcely pay for the trouble, and when the fair is over he will as a rule, when passing the fair grounds, see weeds of all kinds occupying the ground; these weeds will very likely ripen their seeds and be carried by the wind or otherwise over all adjacent land. He will also see the building and fences going to wreck and decay. Then when fair time approaches directors must spend considerable money in making repairs, and have to reduce the prize list to that extent. HISTORY OF SOUTH WOODSLEE

As secretary-treasurer of the South Woodslee Agricultural Society, I will give a brief history of it. I learn from the books that this society was organized in 1852 with the object of holding fairs and improving the live stock. The fficers were the pioneers who would never say fail. They bought some sires when money was available and held small fairs. These fairs were held in some field along a main road. The prizes paid for the first few years were less than \$25.00. However, the society leased land for holding fairs and erected buildings and South Woodslee became one of the noted fairs in the county, paying several hundred dollars each year in prizes. This expense, along with buying some stock animals, kept the society in debt, and it was finally

decided to give up the holding of fairs, and to use the money in buying pure bred sires. This latter course has now been followed for several years. The result is we now have the largest stock society in the province of Ontario, owning 17 Durham bulls and 13 boars of the different breeds, which are spread over 10 by 12 miles of territory. These animals are making wonderful

improvement in the live stock in those lines If the finances would permit, our society would like to own some registered stallions, which would put the scrub stallien out of business much more effectively than the licensing that has been so much talked of. Our society is run on a strictly cash basis. Therefore, if we bought a stallion for say \$1,000, he would have





Two Promising Shorthorns Owned by an Ontario Agricultural Society. Members of the South Woodslee Agricultural Society, as may be learned from reading Mr. Cohee acriditural Society, as may from their society in a real and tangible form, which there benefits do appreciate. Their society owns if buils and 13 boars which are the society of the society owns if buils and 13 boars which are the society of t

to be insured at a cost of say \$50.00. This outlay would prevent us from buying any other animal for one year. This would be unsatisfactory in some parts of the society. If, however, the Act in Ontario governing agricultural societies could be amended so that a society could draw say 50 per cent. of the price of a stallion at the time of purchase and continue the present grant thereafter it would certainly advance the horse industry very materially.

TOO MANY SOCIETIES HOLD FAIRS

As to agricultural societies generally there are too many. There are far too many holding fairs, however, and it is up to the officers of all societies to see that the money is spent in the interests of the agriculturists generally. A good successful fair is all right and is educative. There are, however, in my estimation, far too many small fairs that have outlived their usefulness and are located so near together that they cause a waste of time and money. Were these turned into pure bred stock societies they would materially benefit the whole farming

community where they are situated. 1 make this statement from actual experience. We have in this, the county of Essex, six societies holding fairs where two would be quite enough. If the others were stock societies it would be greatly to the advantage of the farming community. I am a supporter of one of these fairs; still, I candidly believe the farming community are receiving more financial benefit from our stock society than they do from all the fairs combined. As proof of this let me state that the minimum membership fee is \$2.00, and at our annual meeting there are almost invariably 200 subscriptions received, which shows that the working of this society is appreciated.

CONCERNING AN INCREASED GRANT

In conclusion, I would say to the officers of the different agricultural societies in Ontario, if you have good grounds and buildings and are holding a successful fair, stick to it; on the other hand, if your fair has outlived its usefulness, don't spend money on grounds and buildings, but take up the pure bred stock, and in after years the agriculturists in your community will appreciate what you have done. Furthermore, let me state that if one-half the societies that are new holding fairs would drop them and take up pure bred stock, the Legislature would not hesitate to increase the grant to agricultural societies, which increase they are fully entitled to if they spent it in the interests of agriculture only.

We have already commenced to give a little extra feed to the cows that will freshen in May. We find that the cows do better if in good flesh when they freshen .- L. K. Shaw, Welland Co., Ont.

If we want a good dairy herd, we can sometimes go out and buy it. It is much better, however, to keep records and breed a good herd. We have then produced something that did not exist before .- Anson Grch, Waterloo Co., Ont.

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Business Principles Applied to Horse Breeding

M Cumming, Principal College of Agriculture, Truro, N.S.

If prices count for anything, the horse is king to-day. Despite steam, electricity, the motor, and other forms of mechanical traction, borses are more difficult to procure and higher priced than ever before. At this Show, we know of several who are on the look out for good pairs of horses and more especially the heavy ones and so far we have heard of no offers. The speaker himself, has been making inquiries for a pair of heavy geldings and even the offer of a liberal price has brought no response. There are horses for sale, but they are not the kind the market wants. In desperation, a man may buy what he does not want, but he will not pay the figure he would have, could he have obtained what he was seeking for. Now, why this condition of affairs? Why can't buyers in the country, at the market, or at this fair get what they want? They have the cash and they want the goods. Why can't the farmer produce the goods and get the money? Are farmers applying, as well as they might, business principles to horse raising?

BUSINESS PRINCIPLES IN DAIRYING

This is the day when breeders of dairy cattle are endeavoring to apply the same business meththeir employment as the men behind the quater do to their vocation. These dairymen say you should weigh the milk and the feed and ascertain the other items of expense and se know what you are doing. By applying such business methods, men are making money out of dairying. The same principles should be applied to horse breeding.

Toc many farmers, in breeding horses, consider solely their own ideals. They are not studying what the market will pay the price for. As a result, they are not making the money they might out of horse breeding. The market will pay to-day anywhere from \$400 to \$700 cr even more for a good pair of draft geldings or mares weighing 1,500 pounds or over. For crdinary chunks, weighing 200 or 300 pounds less than this, the price will be little more than half of the above figures. There are far more of the latter class of herses offered for sale than the former and this is why the farmer is not realizing as much from horse breeding as he should.

GOOD STALLIONS NOT APPRECIATED

Why this condition of affairs? Barring some of the more forward counties of Ontario and other parts of Canada, stallions calculated to get the "rent paying" sort of stock are not sufficiently appreciated. Farmers say they are too heavy for their work. They want a general purpose horse, a horse weighing about 1,300 pounds that will get "all-round horses." Stallions of this class are usually either under-sized draft stallions, over gross Standard-bred or Thoroughbred, or Hackney stalliens. And all too fequently they are grade or cross-bred stallions. None of these sorts are likely to be prepotent. And what is the result? Perhaps a useful horse-perhaps not. But in any case, if the cwner wants to sell, and he usually does at some time, the price is lew and no money is made from this part of the farm operations. It pays every time to study the market and to breed to that class of stallions pest calculated to get what the markets wll pay for.

In the application of business principles to dairying, nothing has been more clearly demonstrated than the indispensableness of the special dairy breeds. The dairyman who seeks to make money out of milk or butter or cream by depen dence on general purpose sires, fails. So with the horse business. There is not to-day a prepotent general purpose breed of horses. There

are stallions, some of them pure bred more of them grades or scrubs, that in weight and other particulars may fill the general purpose bill, but experience has taught that when these are used as sires, they will fail to get anything like a large per cent. of commercial stock

A HINDRANCE TO PROGRESS

We believe that nothing has stood so much in the way of horse improvement in Canada as this general purpose ideal. A general purpose horse, if you can get him, is a very valuable animal, but when, with the breeds at present available, you try to breed this sort of a horse, you court failure nine times out of 10. Those countries of the world where buyers are to-day going to secure high-class horses are invariably

36 Cents a bushel \$1.08 That's right! yes it takes less than three bushels of oats at 36 Cents a bushel to pay for Farm and Dairy for a whole year. I shit it likely to benefit you and your family much more than that amount during the whole of this year? It will. O Tut the question up to your neighbors in this way. Farm and Dairy would help them as it helps you. Show them our Illustrated Supplement this week. Show them your Toultry number you got lost week. Tell them what they cost you. Then ask them to subscribe to Farm and Dairy. They will. Try it!

ecuntries where special purpose horses are bred. Consider the Clydesdale of Scotland, the Thoroughbred of England, the Percheron of France, the Standardbred of America. No general purpose ideal controlled the makers of these breeds. They have bred along special purpose lines and to-day they are reaping their harvest.

Business principles applied to dairying have directed more than ever before the attention of breeders to the importance of their females. Perhaps, in all lines of stock raising, the tendency has been to over-estimate the importance of the male. Those men who to-day have high class dairy herds that are making money for them have weeded out the poor and have most carefully retained their best females. Even high prices would not tempt them to part with this class of their stock without which improvement

could not be affected. As a buyer of horses in Scotland and other parts of the world, I have found that the great horse breeders of the world are equally jealous of their high class mares. You can buy poer, or even ordinary mares in these countries at reasonable prices, but when it comes to a high class mare, that has proved herself, the price is multiplied many times.

GOOD MARES NOT RETAINED

In Canada it has, unfortunately for our horse business, transpired that farmers have parted with their marcs almost as readily as with their geldings. This has not invariably been the case, for our successful horse breeders have been care ful to retain their good brood mares. In this connection, the feature that has most impressed the judges of heavy herses at this Show is the strength of the filly and mare classes. We have seen shows at Toronto and elsewhere where the stallions were almost, if not quite as good, as one would see anywhere in the world, but it has been most unfortunate that the female classes have been decidedly inferior, both in quality and numbers. Canada can never hope to become a great horse breeding country unless this condition of affairs impreves, i.e., unless farmers refuse to sell their high class mares (except at most tempting prices) and unless importers get more encouragement to bring out mares as well as

DOES HORSE RAISING PAY

And does this horse raising business pay? Yes, if you raise the kind of horse the market wants We estimate that it costs us from \$100 to \$125, counting in risk and everything, to raise a draft colt up to two years of age. After that date, he can be broken to harness and will pay for himself until he reaches the market age. A few years ago this market age was five, six or seven years. But at present horses are so scarce that four year olds and even three year olds, if up to size, will sell at from \$400 to \$500 a pair and, if of extra quality, considerably higher.

This is certainly a splendid return and shows that horse raising can, even under ordinary conditions, be made just as profitable as any other line of farm business. The real horseman, who understands the business and likes horses, can make, under present conditions, more money in horse raising than in perhaps any other line of farming. The average farmer, if he applies business principles to this industry, can add some hundreds of dollars every year to the in-

come frem his farm.

Milk Records—Examples of Value

Geo. H. Barr, Chief, Dairy Division, Ottawa How are we to know our best cows? There is not a dairyman anywhere who can tell his best cows without first weighing his milk and using the Babcock test. At the Woodstock Fair a few years ago, there was a cow which many had picked out for first place in the dairy competition. She was what we call a full milker. The pail was always full to the running over, but a lot of it was froth, which did not weigh out. As a result this cow was away down in the competition. We cannot tell by sight alone. The scales only are accurate.

I cannot see why young men at least are not going in for the keeping of records. The time required to keep records is as nothing at all. One minute a cow per day is sufficient. One young man whom I know of has increased the average production of his herd from 5,000 pounds to over 11,000 pounds of milk a year; another from 4,500 pounds to 9,000 pounds. Both of these men started when in their teens to keep

I believe that our present tariff systen costs the average farmer at least \$200 a year.—E. C. Drury, Crown Hill, Ont.

*Extract from an address given at the recent Eastern Ontario Live Stock Show, Ottawa.

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Two Hundred Hens on a Farm

John I. Brown, Montreal, Que.

A flock of 200 hens should be composed of 100 pullets and 100 year old hens. Thus every year 100 pullets would be added to the flock, and about 100 year old hens sold off



From a farmer's as also from a dealer's standpoint, I have no hesitation in recom mending the Barred Plymouth Rock as one breed that will give universal satisfaction Good strains of this

breed have proved themselves good egg producers, and also from a market standpoint of meat they have been winners at all the principal shows, this year being no exception

John I. Brown to the rule. We find them at the Ontario Winter Fair, Guelph, the Maritime Winter Fair, Amherst, N. S., and at the special prize competition conducted by Gunn, Langlois & Co., Ltd., Montreal, where they carried off all the first prize ribbons and the specials in every case. From a buyer's standpoint we can secure more uniformity in eggs and dressed poultry from the Barred Plymouth Rock in Canada today than we can from all the other breeds

THE QUESTION OF HOUSING

The housing of poultry to-day is a much more simple proposition than most writers would have us believe. The cheap colony plan of housing poultry has passed its experimental stage. For farmers' use, a few of these houses are more economical and more convenient than the old fashioned stationary house.

To accommodate the 200 hens, eight colony houses, 8 x 12, will be quite sufficient. The accompanying illustration shows one of these houses that has been in operation for five years, and each year has wintered 25 hens and two cockerels, and each summer has given the accommodation for 100 to 150 chickens.

On a farm, with the 200 hens; four of these houses would be set apart for the year old birds and four for the pullets. In the summer, when your colony brooders are filled, the hens will be sold off, leaving the four houses empty to accommodate the increasing number of chickens throughout the summer

DISPOSAL OF THE BROILERS

As these chickens grow, the broilers are the first to sell, the cockerels are crate fed, the culled pullets are gotten rid of, until you have 100 of the pick of the flock left in these four houses, which + just gives you 25 good pullets in each house for winter egg production. This cycle comes around every six months. In cases where hens and pullets are apt to mix it might be an advantage to leg band the pullets every other year.

LESS LABOR-FEED ONCE A WEEK

The spreading of the colony houses over the field during the summer does not increase, but lessens the labor. Where birds both old and young have free range the labor of feeding is lessened by the use of the hopper system. There are plants upon which chickens housed in this manner are successfully reared by feeding once a week. Where hens have good forage and plenty of range, the hopper system has also proven a suc-

In winter, or before the snow has come, these houses can be pulled up near the barns, both for convenience and shelter. If the houses are properly built they should keep the hens comfortable in winter by providing fresh air and dry atmosphere. In the summer if shade is available so much the better, if not artificial shade can be provided by raising the houses on blocks.

TO PROVIDE THE PULLETS

To provide the 100 pullets each year, about 800 eggs will have to be set. These should be hatched from the first of April to the middle of May, which means that two settings should be used. This would necessitate two incubators with a combined capacity of 400 eggs. The 800 eggs set under healthy farm conditions should hatch 500 chickens, out of which, at the very least, 300 chickens should be raised. From these 300 chickens the



A System That Grows Good Chicks at a Minimum Cost

One of the colony houses as used at Macdonald College. Que, is here shown. Note the self-feeding hopper to the right of the Illustration. Farmers generally should adopt the colony house, hopper feeding system of reising chicks, by which good stock can be reared at a minimum cost and with little labor.

farmer ought to be able to select 100 fine, healthy pullets to remain in his four colony houses throughout the winter.

THE COST OF EQUIPMENT

The initial cost would be for the eigh	t colony
houses, at \$40 each	
Two incubators, at \$25 each	. 50 00
Eight brooders	. 56 00
100 pullets for the first year	. 100 00

\$526 00

The probable revenue from this flock of 200 hens would be about as follows: From the pullets we would expect an average production of nine dozen eggs-900 dozen; and from the 100 hens an average production of seven dozen -- 700 dozen : a total of 1,600 dozen, less the 70 dozen put in the incubator, leaving a total of 1,530 dozen, at an average price of 25 cents per dozen the year round. which would be \$382 50 From sale of 200 chickens at \$1.50 a pair .. 150 00 Sale of 100 year old hens at \$1 each 100 00

Making a total of \$632 50

THE NET PROPIT

Deduct from this the following expenditures: Cost of feeding 100 pullets for 12 months .. \$100 00 Cost of feeding 100 hens for 9 months 75 00 Cost of feeding 300 chickens up to selling or

laying age 75 00 \$950 00

Leaving a total revenue of \$382 50 The average farm to-day in Canada has in numbers for a poultry flock less than 35 head of poultry. In brief form I have here shown on a conservative basis the possibilities of a poultry equipment suitable for taking care of 200 hens from the "cradle to the grave."

Much labor is saved in feeding where a large number of chickens are hatched at one time. We might just as well mix a pail full of feed for 50 or 100 incubator chickens as a cup full for eight or nine chickens and an old hen .- Geo. Paxman, Peterboro Co., Ont.

Early Broilers are not Profitable

J. W. Clark, Brant Co., Ont.

I do not know of a single broiler plant in either Canada or the United States that has been a success financially. I would not advise anyone to take up the production of broilers as a speciality. It may be carried on as a side line with other poultry work by men who have had a great deal of experience. The great difficulty in raising broilers is that they get leg weakness when forced. For the ordinary farmer, the broiler has no place in his poultry operations. By broilers, I mean chickens hatched at a very early date and mar-

keted when they weigh one to one and a half pounds; two and a half pounds is the limit

To get the best price broilers should be hatched out in January or February. They can be hatched in April, but prices are not so good. The Leghorn is the best breed for the production of early broilers as their eggs are more fertile at that time, and the chickens mature more quickly. It will take about six eggs to get one chicken to three weeks of age. This is due to the large mortality and the high percentage of eggs that are not fertile at that time of the year.

FRESH AIR AND GREEN FOOD

Lots of fresh air and abundance of green food are the essentials to success with broilers. If these conditions are neglected, leg weakness

develops quickly. They develop more quickly when fed on a wet mash but should have some grain scattered in litter for exercise. A mixture of wheat screenings, a little cracked corn and granulated oat meal, makes a good mash. They will do well when they have milk to drink, butter milk being preferred. For the first ten days there is nothing better for them than whole milk. They should have plenty of lime for bone making, as well as fine oyster shell. Green food is best supplied with sprouted grains.



A Breeding Coop for an Individual Pair

A coop of this design would prove useful in most any flock where it is desired to obtain eggs for hatching from one or more of the best specimens that the specimens of the specimens seen and the specimens of the specimens of the specimens of the seen and the specimens of the sp

Broilers are marketed at an average age of 12 weeks, when they will weigh from one to one and a half pounds. These are called squab broilers, and in Toronto and Montreal bring 50 cents a pound. The age at which they are marketed, however, will depend on the price. They should not be allowed to exceed two and a half pounds in weight, however. They should be starved 24 hours before killing and be plucked dry.

EXPENSIVE TO RAISE

Fifty cents a pound looks a big price but when we consider that the eggs necessary to produce one chicken will cost 25 cents, and then add to that the cost of food, extra trouble, heating, etc., for the most of us there is nothing in it. In New York and other large United States centres, they pay bigger prices, and some poultry men are making money on broilers.

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FARM MANAGEMENT นื้อองของของของของของของจะ

Seeding for Wet Pasture

What would be a good grass with which to seed highland pasture? Much of the land is a wet, clayey soil. We have been seeding with timothy. In a very short time it dies out and brome and silver top takes its place. We have gotten good acties of clover the last three years. It holds fairly well where it is not too wet, but the seed of the see

N. B. On such land as you describe red top is the grass likely to give most perfect satisfaction. Alsike clover and red top together make a most excel-lent grass for either pasture or hay. The land should be broken and thor-oughly cultivated for a year or two. Take off a croy of peas and oats the rake off a crob of peas and oats the first year, work again in the fall and apply a little bit of manure if pos-sible. Seed the field with a mixture of timothy, fire lbs: orchard grass, five lbs: red top, 10 lbs: and aslike closed from the proportions given should in the proportions given should in the proportions

produced per acre in any given year.

necessessessessessesses 10 per cent. Increase in Grain

In an address before the In an address before the seed growers at the recent Ontaric Win-ter Fair, Guelph, the Seed Commis-sioner, G. H. Clarke, stated in part that from a study of the records of the Canadian Seed Growers' Associa-tion he had formed the opinion that from 12 to 15 per cent. of the 1910 cereal grain creps in the province of Ontario would trace back to selected seed. The proportion would be about the same in the western provinces, less in the province of Quebec, and more in the Maritime provinces es-pecially in Prince Edward Island.

Six years ago the supply of select-Six years ago the supply of selected seed was less than one-quarter of the present supply, yet the supply was then greater than the apparent demand, and much of the seed offered at fair orices was left unsold at the end of the season. Now the supply will not fill one-quarter of the demand, even at high prices for the selected seed. Many grain growers have convinced thomselves by experience and observation that a 10 apply a little bit of manure if possible. Seed the field with a mixture of timothy, five lbs: orchard grass, five lbs: red top, 10 lbs: and asike clever, four lbs. per acre. Such a seeding in the proportions given should insure your getting first-cless cross of hay for a couple of years, and excellent pastures for a few years, longer.

If, on the part of the pasture overlying lime stone rock, you could scratch in about two pounds of White places are the produced per acre, you would greatly improve the quality of their seed selected pense to produced per acre in any given year. and his staff.

Ten years ago the farmers of Guelph and Markham districts in the province of Ontario were accustomed to hold annual seed fairs, but no others had been organized anywhere in Canada. Last year more than 100 of these seed fairs, widely distributed throughout the different provinces, were conducted. These seed fairs are closely associated, both in their objects and organization, with competitions in standing fields of seed grain, of which there were upwards had been own. Any cow that has Holstein markings seems to be grain, of which there were upwards of 150 successfully conducted in 1910. The best exhibits of seed grain shown in both the field competitions and seed fairs are now annually brought troughts. seed fairs are now annually brought together in competition at large provincial, seed exhibitions in all of the provinces except British Columbia. In the improvement of farm crops through the use of better seed grain and other seeds, these seed fairs, field competitions, provincial seed exhibitions, and the Canadian Seed Growers' Association have proved to be

ers' Association have proved to be strong educational factors. The benefits which have accrued from the efforts of these organizations are in-

Some Farmers May Be Disappointed

"There is a great demand among farmers for Holstein cattle," said Mr. W. Telford, of Bridgenorth, Ont., recently te an editor of Farm and Dairy, "and I am afraid that some of the farmers who are buying this clear of eattle are soint to be some or the farmers who are buying this class of cattle are going to be disappointed with the results they obtain. They seem to think that if they can only get Holsteins that

that there are culls, even smong pure bred Holstein cows. Any cow that has Holstein marking even that in good demand. The result is that inferior stock is being palmed off on many farmers. When these farmers find that this stock is not doing as well as they expected it would, there may be a reaction against this breed. Farmers need to be educated to the 'importance of feeding and taking care of their stock." taking care of their stock.'

Eastern Ontario Scored

Why is Eastern Ontario so slow about taking up the work of the cow testing associations? In the whole testing associations? In the whole of Eastern Ontario there are only about five cow testing associations, they being located in Peterboro, Perth, Prescott, Mcrewcod and Alexandria. In Western Ontario, in the county of Oxford alone, there are 18. Dairying is carried on much more extensively in Eastern Ontario than it is in Western Ontario than in Western Ontario.

it is in Western Ontario.

This subject was discussed at some length during the recent convention in Perth of the Eastern Ontaric Dairymen's Association. "We have not been able as yet." said Mr. Geo. Pf. Barr, Chief of the Dairy Division, "to find a sincle herd in Eestern Ontario through our cow testing associations with a recerd sufficiently good to warrant us in drawing attention to it on our Government charts. This is the case, although Eastern This is the case, although Eastern tion to it on our Government charts. This is the case, although Eastern Ontario produces more milk than any cther similar area in the Dominion. Instead of having only four or five Instead of having only four or five cow testing associations we ought to have 25 or 30 cow testing associa-tions at least. It must be because so few farmers in Eastern Ontaric take any interest in the subject that we are unable to find any good records of individual herds."

A farmer in the audience suggested that the trouble was not with the cows as much as it was with the men who fed the cows. "We will have," he said, feeders." "to improve our breed of

transmitting this quality to their progeny. The poor cows transmit their poor qualities. When we are watching the feeding of our animals we scon find that if they are to do their best and their best and return us the greatest profit, we must feed them well and

prone. we must feed them well and give them pood care."

Another farmer stated that in a new factory to which he belonged there were 345 cows. The patrons were interested in the matter of feeding and caring for their cows better and in keeping track of their production. The first year their cows had averaged 4,946 pounds of milk. had averaged 4,945 pounds of milk. The next year these same cows gave 279,000 pounds of milk more as a re-sult of the letter care and attention they received. This farmer thought that this was a good method for factories to adopt to increase their received. supply of milk.

to protect-

Unless it fully protects what it covers, a roof is not really a roof. And only a metal-shingled-roof can possibly really protect the contents of the building it covers. For no other roofing is proof against all the elements

nearly so long-lived - or so economical.

which metal shingle?

There are several makes of metai shingles to choose from. Any one is better than wood, slate, or ready roofing of any kind. Any one roofing of any kind. Any one of them will outlast these roofing materials and give far better service. But—as with all things man makes—there is one better than the rest. We make it.

> why Preston surpasses Preston Safe Lock Shingles will give you better roof-service, bigger value for your money, and completer satisfaction for

and completer satisfaction for two reasons. One is that these are the ONLY metal shingles so made that they pass the harsh (almost unreasonable) tests the British Government

Metal Shingle & Siding Company, Limited Dover St. Factory

PRESTON, ONTARIO, and MONTREAL, QUE.

exacts of galvanized sheet metal that it buys. One detail of these tests requires a coating of 98% pure zinc. Anoth 98% pure zinc. Another, that the metal stand bending double without cracking the galvaniz-ing a particle. A third, that the metal must stand FOUR dippings into acid without showing signs of corrosion. There are still other tests and ONLY the PRESTON SHINGLES, of them all, can pass these tests

yet the cost is the same

You pay about the same price for the or-dinary metal shingle as for ours. And it is a little price, considering the roof-service they give. But you, naturally, would prefer to get

any, would prefer to get
most-for-your-nioney—
as we all do. Therefore, you should, before you roof at all, learn about all the other metal shingles — and about ours. book that will inform you is ready to mail to you.

Just a post card from you will bring it.

wise light "I have," said another f The "I have," said another farmer. "been testing my cows for several th 1907-8 years, and I have learned some valuable lessons. For instance, by the use of my scales, and the Babcock test. I found that one cow cost me \$7.00 a year less for feed than another than the statement of the scales and the scales are statement. of 35 horses ed M days. meal ther cow standing right beside her. It is not always the quantity of milk a sup oats i that a cow produces that determines the net profits she returns. The cost of feed needs to be considered also. 100 pe pound and 6 "I have found, toc, that my best producing cows have the faculty of one lo of con pound ter he of oa

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Substitutes for Oats for Horses

The substitution of cheaper feeds for oats for work horses has been studied at the Ohio and Michigan stations. W. J. Kennedy, E. T. Robbins, and H H Kildee, of the Iowa Station, report the results of some experiments along the same line. The feeds used were corn, oil meat, cotton-seed meat, and gluten feed. feed

The first experiment covered 100 days in the summer of 1907. Three teams of horses were included. One teams of horses were included. One horse of each team had a ration of corn and oats in equal parts and his mate had a ration of corn and oil meal in the proportion of 15 to 1 by weight and with practically the by weight and with practically the case ration of the corn and cate ration. This has been called the the most part innerly, occasionally having as much as 25 per cent. clover

The horses were used for teaming and field work practically similar to ordinary farm conditions. After five weeks the amount or protein in the ration was increased. In the case of the corn and oil meal the proportion was then 10 parts corn to 1 part oil meal. This proved too laxaper of the corn for the balance of the period was corn 12 parts, oats 4 parts, and oil meal 1 part by weight. The results with the last combination were excellent and in general tion were excellent and in general tion were excellent and in general indicated that corn and oil meal maintained weight as well as corn and oats.

and oats.

The second experiment was a comparison of oil meal and gluten feed and centinued 91 days. Corn and gluten feed and centinued 91 days. Corn and gluten feed aparts to 1, and the corn and oil meal 15 to 1 by weight. It was found that the gluten feed was not reliabed by the horses, and so was not are valuable a supplementary feed as the oil meal, though otherwise satisfactory. The work was light during the second and third experiments.

The third experiment was begun The third experiment was begun in the latter part of the winter of 1907-8, but was cut short at the end of 35 days by the sale of some of the horses. The experiment was resumed May 11, 1908, and continued 154 days. In this experiment cotton-seed days. In this experiment cotton-seed meal was compared with oil meal as a supplement to oats and corn. The oats and corn were ground. Every 100 pounds of grain fed contained 79 pounds of corn, 15 pounds of oats, and 6 pounds of cotton-seed meal from one lot, and for the other 77 pounds of octon-seed meal of of one lot, and for the other 77 pounds of of our and seed of other thanks of the thing of the time the proportion of oats was increased about one-third

CONCLUSIONS OF EXPERIMENTS The more important points brought

Into more important points brought cut in these experiments were:

The health, spirit, and endurance of work horses were the same when fed corn with a moderate amount of oil meal, or gluten feed, or cotton-seed meal as when fed a corn and outs ratios supports in the contract of the con oats ration supplying a similar nu-tritive ratio

The Feeders' Corner and the state of the sta

Cotton-seed meal gave somewhat better results on the whole than oil meal. The retion containing it was fully as palatable and as efficient in maintaining the health and weight of the horses, it was less laxative, and a little cheaper with cotton-seed meal at \$30 a ton.

meal at \$30 a ton. With corn at 50 cents a bushel and oats at 40 cents, oil meal had a value of fully \$80 a ton for feeding to work borses, with cotton-seed meal worth a trifle more still. At the usual prices of these feeds their use resulted in a substantial lowering of the cost of maintaining the horses.

Dairy Cows are Improving*

Hy Cleaning, Ontor Co., Ont. We frequently hear the statement made by farmers that the cowe of 10 years ago were, on the average, better milkers than the cows of the present time. If this is true, we may is this so?"

is this so?"

Some nine or 1 Oyears ago a great demand sprang up for steckers to be placed on the western ranches. Many farmers crossed their dairy bred cows with buils of the beef breeds with a view of preducing steers for the western trade. In this business venture they were disappointed. They failed to raise a cross bred calf that would command a price that was remunerative. About one half of the calves were heliers. They were raise under the calves were helfers. They were raise and the calves were helfers. They were not equal dairy cows. They were not equal the calves were helfers. They were not equal to the control of the control of the calves were helfers. They were not equal to the control of th Some nine or 1 Oyears ago a great

low average during the season.

Another cause of low production in recent years has been the two or three dry seasons that prevailed prior to this year, which lessened the amount of feed. The past season has been an improvement from the standpoint of crops in most sections in Eastern Ontaric.

INCREASED PRODUCTION During the factory season of 1910 the reports so far as obtained from the instructors show an average inthe instructors show an average increase in production per cow of about 20 per cent. This is gratifying, but is far below what we expect in the near future. The greatest factor in the increased milk production has been the good pastures that prevailed during the season Author services. during the season. Anther reason for this favorable increase in production per cow was the shortage of feed durper cow was the shortage of feed during the previous three years. This led
to the weeding out of the pocreat
cows from the herds, which herds, which
milk production per cow.
aystematic work was done alon
line of weeding out the poor cow and
better feeding of the proper
feeds to the good ones, we we
few years double the average
are during the production per cow.

few years double the average production per cow at 1 believe we are on the every control of the production of the country. The work that is being done by the agricultural department at Ottawa through the cow testing associations shows that without increasing the number of cows we might in a short time double our output of milk by bester breeding, better feeding, and weeding out the poor cows. tritive ratio
The ration of corn and cil meal
maintained the weight, fleet, and
appearance of the borses fully as
well and with less expense than the
one of similar nutritive value composed of corn and oats
With corn at 50 cents a bushel,
oats at 40 cents, and oil meal at \$22
a ton, the average saving in the
daily expense of feed for each work

Our Veterinary Adviser

CRIPPLED PIGS.—What causes pigs to get stiff in their legs. I have some four their legs and their legs are this way. The legs are legs and legs are legs and legs are legs and legs are legs as the legs are legs as the legs are le

MAMMITIS.—Cow that calved eight weeks ago has caked udder. We have used "Cow Relief," and hot water without results. Sometimes the flow of milk is obstructed. At other times it is not so bad.—A. K., York Co., Ont.

—A. K., York Co., Ont.
Purge her with two pounds Epsom
salts and one ounce ginger. Feed
lightly for a few days and give four
drams nitrate of potassium twice
daily for four days. Apply hot poultices or bathe long with hot water,
Milk four times daily and after each
milking rub well with camphorated
oil.





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When to Prune

S. E. Todd, B.S.A., Lambton Co.,

am often asked the question at time of year, ""Will it be all to prune my orchard now?" right to prune my orchard now: The question put in this way generally indicates that the questioner does not consider that the pruning of compard is largely a matter that

offers an individual problem which the edge of the wound and the long-

There are certain basic principles, however, that may be stated in a general way which may be modified according to the individual need. When a large limb is removed from a tree a wound is made which must heal over, or decay at that point will set in. Healing is the result of the pushing out over the wound by the pushing out over the would by the cambium (growing tissue of the tree) a layer that presently becomes bark. Naturally the tree does this with the least effort if the would is made at the height of the growing does not consider that the pruning of a does not consider that the property of the condition of individual to the condition

the edge of the wound and the long-er the time between the making of the wound and the beginning of the growing season the greater the dry-ing that takes place. It would seem then that the ideal time to do the pruning is at the time of wood growth, i.e., May or June.

ECONOMY TO BE CONSIDERED While the above is true, certain other conditions enter that cause us to question whether the grewing season is the best time practically speak-ing to do pruning. In our Ontario son is the best time practically speaking to do pruning. In our Ontario
climate, and especially in Lambon,
the moisture in the atmosphere all
winter and the fact that the thermometer seldom gets much below 10
degrees does not allew of excessive
drying of the wounds. Labor in the
winter is easier to secure than during the growing season. It is then ing the growing season. ing the growing season. It is then a choice between quick healing and economy in lator, and in practise economy wins out. This rule may be economy in later, and in practice economy wins out. This rule may be safely laid dewn. Do your pruning as close to the growing season as economy in labor will allow.

economy in labor will allow. This rule applies to apples, peach-cs, pears, plums and cherries. Grapes however, should be pruned before the sap starts to move in apring as the wounds bleed after that time very freely, thus causing less in vitality.

Apple Growers Meet

The Northumberland and Durham Apple Growers Association held a very successful two day fruit institute in Cobourg Jan. 25 and 26. This as-sociation although organized only last sociation although organized only last June already has a membership pass-ing the 150 mark. Their meetings were characterized by marked enthus-iasm and keen interest. "Insect and Fungus Diseases of the Orchard," was the subject of a

ransect and Fungus Diseases of the Orehard," was the subject of a thoughtful address by F. Caesar, of the O.A.C., Guelph. W. T. Macoun, Ottawa, spoke on the management of young and of bearing orchards. Deminion Fruit inspector. Practically all phases of orchard work were cov. phases of orchard work were covan phases of oremard work were covered in a general discussion carried on by the fruit men present. On the second day of the convention a bansecond day of the convention a quet was tendered by the Agricultural Committee of the council of the unit-ed counties to the executive of the counties to the executive of the ociation and the fruit men visiting association and the fruit men visiting the institute. Among the guests were W. T. Macoun, T. B. Revitt, Toronto, P. J. Carey, J. W. Clarke, Clarksburg, R. S. Duncan, District Representative, and F. E. Ellis, of Farm and Dairy.

COUNTY AID FOR EXHIBIT The association decided to unite it-self with the Ontario Fruit Growers' self with the Ontario Fruit Growers' Association. All of the old officers were re-elected. The County Council was wated on and asked for a grant of \$500 to aid in making an exhibit at the arut Show in Toronto next year. Aum of \$500 was granted. The purposes of this Association are to Pomoto improved orchard oractice, to market their fruit, and carry on educational work. The

cractice, to market their fruit, and carry on educational work. The story of the Association shows what a few enthusiastic men can do. The present evival in interest in or-harding in the district started with one may W. H. Gibson, of New-tone with the story of the Association. When Mr. Gibson set out is first orchard and started to empley improved mended he was regarded as almost crack. But he persevered. Finally through his efforts and those of a few other and the story of a few offs. of a few other enthusiastic men the possibilities of the counties were de-monstrated by a selendid exhibit at the Horticultural Exhibition in Tor-onto 1090. In June, 1910, the Asso-ciation was formed and their exhibit at the Horticultural Exhibition last the Horticultural Exhibition last fall was one of the finest and most

unique exhibits of apples ever seen in

The Association is now in flourish-ing condition, and they are looking for wider fields for their enterprise. It is now proposed to the countries of the control of the organization the fruit control of the organization the fruit countries of countries of Northumberland and Dutto-ham, Prince Edward, and Ontato-With such a strong organization they will be in a better position to fight the express companies for fair rates and look after their other interests. The Association is now in flourish-

Box Packing School a Success "Say, have you aren our box pack-ing class at work?" said Prof. J. W. Crow, of the Ontario Agricultural College, recently to an editor of Farm and Dairy who called on him at his office. "It is the greater at his office. "It is the g thing we have started here thing we have started here yet. Just at that moment, the professor opened a letter from a prominent fruitman in the Hocd River Valley, Oregon, informing him that the instructor who is carrying on the classing and pracking at the College in any large in any large in the college. structor who is carrying on the class-es in apple packing at the College is one of the best box packers in the Hood River Valley, which is noted all ever the world for its high class

all ever the world for its high class box panels apples of Georgetown, a Mr. Bratley of Georgetown, a fruit grower who is taking in the course in box peckings at this juncture remarked "I have gained information about box pecking that will be worth many delaying the will be worth many delaying particularly of fancy and No. 1 grades of fruit is in the direction of the box package. It has to come, and I want to be in on the ground floor I sheuld say that this I should say that this chool in box packing is one of the sat thing that ever happened."

Other suit men attending the

conversation with our reexpressed th similar y in appreciation of the practical instruction they were getting in box packing. Classes similar to this one are conducted by the British Columbia Coverned by the British Col-One are conducted by the British Col-umbia Government in all of their fruit sections, and they have had not a little to do with the perfection which British Columbia growers have obtained in the art of box packing Classes for instruction in lox pack-ing held in all the leading fruit cen-tres of Ontaric would be of incalcul-able value to Ontario anole growers. ing held in all the leading fruit cen-tres of Ontaric would be of incalcul-able value to Ontario apple growers. The extension of this control to the encouraged. We in the state of the fruit of first quality. With skilling packing gained by expert instruction and some practice we will be able to market not only as good fruit as our western competitors, but fruit pack-ed just as attractively.

Don't forget seeing your friends and having them join in for a club of subscribers to Farm and Dairy.

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8 TED ADA DBA

members of the Ontario Nome memoers of the Untario Horse Breeders' Association are con-cerned ever the effect that the pro-posed reciprocity measure will have upon the horses coming into this the the horses coming into this series about the proposals be given a found the proposals be given effect; and the subject at their annual common the subject at their annual common the subject at their annual common to last week. Under existing conditions where a duty is charged upon horses imported into Canada it is possible to supervise and control you some extent the character and smally of importations. Should reciprocity become a fact this control would become more difficult to exercise.

With this in view there was With this in view there was submitted to the gathering of Clydesdale men by the executive committed as set of new prices to gevern the registration of Clydesdales in the future, in the event of the reciprocity arrangement becoming law. Chief amongst these changes were those which compelled the registration of animals within 30 days of arrival at a Canadian port. For these horsemen who obey this the charge was but nominal, but those who fail to comply will have to pay fines at the rate of \$25 to members and \$50 to all others.

others.

A resolution, setting forth the satisfactory condition of the horse husiness in Canada under existing conditions and the confidence reposed in the system of national records which now obtains, and viewing with grave apprehension the proposed reciprocity measures with the United States, and praying that the Hon. the Minister of Agriculture use his influence to discumtenance the consummation of the measure without summation of the measure without first appointing a royal commission to investigate the vhole question, was discussed. A number of members spoke strongly against its adoption, favoring reciprocity, and when the favoring reciprocity, and when the resolution was put to a vote it was lost by a considerable majority. The resolution was moved by R. E. Gunn, of Beaverton, who also brought up the question at the meeting of the Ontario Horso Breeders. There it was again shelved, in a sense, by its reference to the Beard of Directors.

reference to the Beard of Directors.

The NURBSAUR GUTTERS

The following officers were elected for the Ctydesdalers: Pres., John Bright, Myrtle; First Vice-Pres., Robert Graham, Bedford Park; Vice-Pres., for Ontario, Peter Christie, Manchester: Sec.-Treas., J. W. Sangster, Toronto.

Directors: Messrs. John Beag, Queensville; William Graham, Claremont: James Torrance. Markham;

mont; James Torrance, Markham William Smith, Columbus; A. G.

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BARRED ROCK EGGS for hatching from choice utility stock. Seventy-five cents for thirteen; from prize stock, one dol-lar. Let me book your order.—Nelson Smith. Jerseyville. Out.

EXCLUSIVE BREEDER of pure bred Barred Plymouth Rocks. Sweepstakes champion female at Toronto for two years. Stock for sale, prices reasonable.—Leslie Kerns. Freeman. Ont.

PURE BRED FOWLS GIVEN AWAY FREE in return for new yearly subscriptions to Farm and Dairy. A club of four new subscribers will bring you a pair of pure-bred standard fowls. Write Circulation Manager, Farm and Dairy, Peterboro, Ont.

Ontario Horse Breeders Meet Gormally, Unionville: James Henderson, Belton; and Dr. Hassard, Mark ham

> ONTARIO HORSE BREEDERS ONTAIO HORSE DEEDERS
> Those chosen to guide the affairs
> of the Ontario Horse Breeders were:
> Pres. William Smith, Cclumbus;
> Vice-Pres., John Boag, Queenaville;
> Sec-Tress., P. Westervelt, Toronto.
> Executive Committee: John Gardhouse, Highfield; A. G. Gormally,
> Unionville; and John Bright, of

> Myrtle

Myrtle
The directors will be composed of
13 men from the Clydesdale Association, and two each from the Shire,
Hackney, Standard Bred, Thoroughbred and Pony Societies.
Mr. George Pepper in recognition
of his services in bringing the association into home was made a life.

of his services in bringing the asse-ciation into being, was made a life member of the Ontario Horse Breed-ers' Association. The resolution was moved by Mr. John Bright.

Points of a Good Dairy Cow F. D. Shaver, Lambton Co., Ont.

F. D. Shaver. Lambton Co., Ont.

In the selection of the dairy cow
lies one of the essentials of success.

The wise dairyman will select
cows from among these breeds which
are characterized by dairy qualities,
rather than those noted for beef
making. When selecting cows for
breeding, as well as for milking purposes; it is important to have animals
which belong to milking families or
strains as well as belonging to one
of the dairy breeds. A cow's milk
yield depends not so much upon her
treed as upon her own characteristics,
had management.

It because the dependent of the dairy breeds a
large a flow as possibles that give as
large a flow as possibles the chief obiect we should select be the chief obiect we should select be the chief obiect we should select be the chief obiect we should select from milk,
or milk rich in butter fat. From milk
or milk rich in butter fat. From milk
or milk rich in butter fat.

The dairy cow should have a good

needs.

The dairy cew should have a good constitution, as indicated by plenty of width between the forelegs, combined with a full heart girth, giving plenty of room for the heart and lungs. She should have a large baunch or middle showing that she has the power of consuming food in large quantities, and also a large neuth, strong lips, good appetite and a general appearance of contentment. The mervous power for the transformation of food into Llood; and for the elaboration of milk in indicated by a high broad dishing forehead by a high broad dishing forehead her a high broad dishing forehead the single prominent eyes and a prominent spinal column. A large well-ballent spinal column. A large well-ballent spinal column. Years well-ballent spinal column. Years well-ballent spinal column. A large well-ballent spinal column.

anced udder, which is not fleshy and ahows elastic quality; udder and mam-mary veins prominent; large milk wells and good-sized escutcheon, these indicate power to produce milk. "No udder, no cow" may serve as a guide in selecting cows.

ndder, no cow" may serve as a guide in selecting cows.

If possible the dairy cow should have combined with utility qualities those of beauty, which censist of a fine, clean-cut head, fine horns, bright eyes, medium length of rather thin neck, fine shoulder, large barrel, bread loin and hips, long rump rather long fine tail with good switch and short limbs. No one part should be unduly prominent unless it be the udder.

Entries in the various classes at the Sherbrooke Poultry Show this year were large in numbers and in quality of exhibits was equal to any abow held in the province of Quebec this year. Mr. J. I. Brown, of Mcntreal gave an instructive address on "Commercial Poultry." The awards were pleed by V. Fortier, Ottawa.

ELM GROVE POULTRY FARM

POE SALE - Good Cockerels. Single Comb Black Minorcas, S. C. White Leghorns, Rose Comb Brown Leghorns and Rouen Ducks.

J. H. RUTHERFORD, Box 62. Long Distance Phone CALEDON EAST, ONTARIO.

To Get a Holstein Registered

To Get a Holstein Registered
What steps are necessary to get a Holstein calf registered and obtain a pedigree-C. E. M. Gray Co., Out.
In order to get a Holstein calf
registered you must write the Secretary of the Holstein-Friesian Association of Canada, G. W. Chemen, St.
George, Ont., and obtain from him
the necessary form of application for
registration, with instructions for
filling out this form, and must then
carefully fill cut the form and return it to the sceretary, with the required fee, when the certificate will
be issued.

The eye is one of the best indications of vigor in an animal.—Prof. Geo. E. Day, O.A.C., Guelph, Ont. Steele, Briggs Seed Co., Ltd., Toronto, Ont.

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By buying your eggs for Hatching from you can make in one year a net prothe birds worth at least \$1.00 each at the and of the year.

He worth at least \$1.00 each at the cand of the year.

He worth at least \$1.00 each at the cand of 40 guellets which in January Polymery and March made a record for flocks of that size, by laying \$2.53 eggs.

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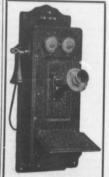
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FARM AND DAIRY

AND RURAL HOME

Published by The Rural Publishing Company, Limited.



I. FARM AND DAIRY is published every hursday. It is the official organ of the ritish Columbia, Manitoba, Eastern and cestern Ontario, and Bedford District, uebec, Dairymen's Associations, and of irymen's Associations, and of an Holstein, Ayrshire, and Jer Breeders' Associations. the Canadian sey Cattle Br

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FARM AND DAIRY PETERBORO, ONT.

INDEPENDENT ORGANIZATION

Beginning with the week of February 13th, several meetings throughout the county of Peterboro will be held with a view to giving farmers an opportunity of organizing themselves into Granges. During the week following meetings to organize Granges will be held in each of seven townships in Prince Edward County. Great interest has been taken by the farmers of these two counties in the current questions of the day affecting them, notably the tariff, and they feel the need for an independent organization amongst themselves at meetings of which organization they can, unhampered, discuss and learn of questions of vital financial interest to them

The need for such organization amongst all of the farmers of On-

was brought home fercibly to many, who, through their Institutes and clubs, sent delegates to Ottawa to swell the now historic deputation of farmers. On their return these delegates, under the rules governing their organization, were not permitted to report. The organized dairymen of Western Ontario at their convention in Stratford could not introduce a resclution in favor of free trade in dairy products with the United States until they had first adjourned the session of the association convention and thrown the meeting open as a public one.

The Grange is an organization well suited to the needs of Ontario farmers. It provides in its constitution for the discussion of all questions of prime concern to farmers and is in no way a political organization. It fosters the development of the community along lines of general well being and to which no one can object, and above all it develops its members in, and allows them, freedom of speech.

The movement for the greater organization of the Grange that next week and the week after is to receive so hearty a reception in Peterboro and Prince Edward Counties is bound to spread much beyond these limits. Sympathizers with the movement and others elsewhere who have at heart the well being of agriculture and the country in general, should prepare the ground for the greater erganization of the Grange in their respective districts. The Grange is a power for good. Let us make it greater. It merits our support. We should remember also that through its affiliation with the western farmers' organizations in the National Ccuncil of Agriculture, the Grange has the necessary machinery through which we can assert our rights and make ourselves heard in a way that will be noticed by the powers that be at Ottawa

STANDARDS FOR JUDGING HORSES

Do our show ring standards for judging colts, yearlings and twoyear-clds encourage breeders to feed their young stock in such a manner as to produce the very best kind of mature horses? Now that the Ottawa and Guelph Horse Shows, held in connection with the Winter Fairs, are over, and we have admired the fat and sleek colts that were paraded in the ring, we cught to stop and ask curselves if this excessive fitting of the young animals is to the best interest of the animals themselves or to the horse breeding interests of the country. Good horsemen all admit that the main consideration in the young horse should be its feet and legs, its constitution, and other indications which it gives of making a first class mature animal.

If given their own way, none of our breeders would practise the excessive fitting of their colts that is now necessary to capture the ribbons

are shown in the rough-so rough, in tario-and the crying need there is fact, that they could not hope to obtain a placing at any Canadian fair. Yet these animals when mature are far superior to the colt that has been plugged with grain to keep it in show condition from the time it was a yearling.

We need an enlightened public opinion which will not call for high fitting in young horses, but rather for good bone, streng constitution, and those qualities that indicate the making of a good animal later on. Were our standards of judging changed so that young animals could be shown to advantage in the rough, breeders would have a much better opportunity of producing home bred stock the equal of the best imported animals.

AGRICULTURAL SOCIETY WORK

Those agricultural societies, numbering more than a few in Ontario, that have out-lived their usefulness so far as their annual exhibitions are concerned, might well turn their attention directly toward improving the live stock in their sections. The day of the small country fair must pass. The tendency is towards centralization, towards fewer fairs, bigger fairs and much better fairs, and there is a greater work open to the directors of our numerous agricultural societies than holding small exhibitions. This work is the improvement of live stock through pure bred animals owned by the societies. The South Woodslee scriety,

may be learned from its history given by Mr. A. W. Cohoe on page three of Farm and Dairy this week, has made an enviable record in stock improvement. The whole character of the cattle and pigs over 120 square miles of its territory has been wonderfully changed for the better through the pure bred stock it owned. This stock society is of direct and immediate benefit to its membership and to the community in which it works. That this work is appreciated is abundantly evident in the fact of the support it is given by the membership, the fee for which is \$2.00. South Woodslee has the largest stock society in Ontario. It new owns 17 Shorthorn bulls and 13 boars.

Some years ago, the Government grant to agricultural societies owning pure bred steck was a fixed one, irrespective of the number of animals owned. Some societies at that time owned three or four times as many animals as others, and yet in some cases the latter received the largest grant. This feature of the Act was changed, and now, as has been the case for some years, societies receive their grant based on the number of animals they own. Thus have societies been led to do much better work than formerly, and thus has the South Woodslee society attained to its present eminent position.

With the encouragement that the Government offers this work in the at our exhibitions. In Scotland, way of grants, and considering the where are produced some of the best wide field there is for improvement tario is a very real one. Recently it horses in the world, young animals in live stock in every section of On-

for such improvement-directors of agricultural societies should consider if they might not better abandon their annual exhibitions and take up the greater work of improving live stock through the pure bred males they might own and distribute.

But few of our agricultural societies are keeping pure bred stock. It may be inadvisable for a scciety that so far has been successful in holding their annual fairs to make & change in this direction, but those other societies that are now, and have been for some time, tottering to their fall, should take up this live stock work, and thereby in a tangible way set out to justify their existence.

THE PRICE OF FRUIT LANDS

Why do the fruit lands in the Niagara district sell for such high prices? The prices that are paid for fruit lands in this district do not represent the value of the land plus the money spent on imprevements. The price is determined by the profits that can be made by growing fruit on the land. So profitable has been the production of tender fruits in the Niagara district that the prices of land have gone up from \$200 and \$300 an acre to \$500 and even \$1,000 per acre. One prominent grower at the last meeting of the Ontario Fruit Growers' Association stated that from a valuation on his peach lands of \$1,000 an acre, he made 17 per cent, on his investment.

Two factors, in the main, have combined to raise the price of land in the Niagara District. The natural profits of fruit growing have been such as to warrant a large investment in the land. Owing to the protective tariff fruit growers have practically been given a monopoly of the home market. And thus has the price of the land been increased. Another factor not to be overlooked is the number of wealthy men who have been buying fruit lands at high prices, particularly in the Grimsby district

The fruit growers of the Niagara district are protesting vigorously against a reduction of the tariff on tender fruits. They propose to send a monster deputation to Ottawa t. call for a continuation of the protective policy as applied to tender fruits. It would seem that if more protection for tender fruits is going to enable the growers to rush up the price of their land to an inflated figure and compel consumers to bear ties weight of such an unnatural investment for all time to come that the protective policy is detrimental not only to the consumer in the town but cannot, in the long run, aid even the grower, as practically all of his extra profits will go to pay the rent on an extremely high land valuation. Leaving artificial factors out of consideration and putting a natural valuation on Niagara fruit lands, there is a profit and a good profit to be made out of tender fruit growing in Canada without loading the consumer with the incubus of a protective

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such high are paid for riet do not e land plus prevenents. by the proby growing ofitable has nder fruits that the e up from \$500 and One promimeeting of s' Associaaluation on an acre, he nvestment. nain, have ce of land he natural have been ge investto the provers have onopely of us has the increased. overlooked men who ds at high Grimsby

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Vol. XXX.

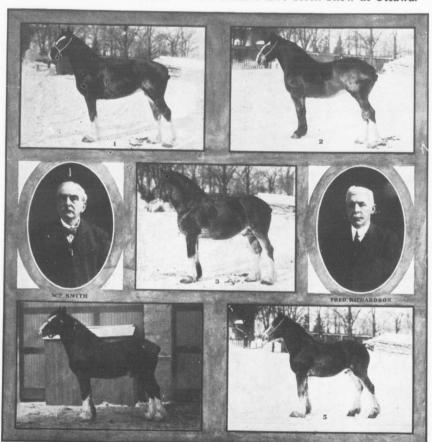
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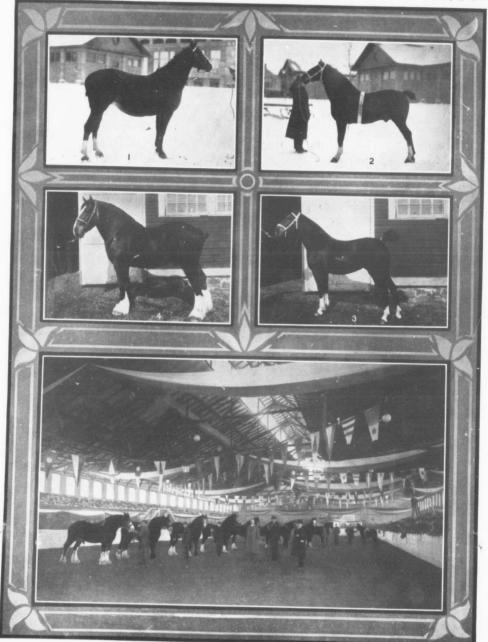
No. 6

Prize Winners at the Recent Eastern Ontario Live Stock Show at Ottawa.



Clydesdales of Correct Type, Winners Exhibited by the Importing and Breeding Stables of Smith & Richardson & Sons, Columbus, Ont.

No. 1, Royal Rosic (imp) [23,171] (25,215), let prize at Ottawa, Jan. 1911, and reserve champion; second prize in duciph, Dec., 1910. No. 2, Baroness Insch (imp) [25,270], tet prize and grand champion mare at Guelph Dec., 1910; 2nd prize at recent Ottawa Winter Fair, and first prize and champion at Ogdensburg Horas Show, 1910. No. 3, Glenaron (imp) [14,571] (15,572), its prize at Ogdensburg Horas Show in Sept., 1910. No. 4, Bernot Crawford (imp.) 1910. The second prize in the class at the recent Guelph and Ottawa, Winter Fairs, No. 4, Baron Crawford (imp.) [9,592] (14,395, obs.) (14,3



Prize Winners from the "Mount Victoria Stock Farm," Hudson Heights, Que.—The Horse Ring at Ottawa.

The Mount Victoria Stock Farm, owned by T. B. Macaulev, and managed by E. Watson, breeds Clydesdale and Hackney horses and French Canadian cattie.

No. 1, Cymbal (Imp.) 422, sire Mathius, winner 1st prize Sherbrooke, 1908. By E. Watson, breeds Clydesdale and Hackney horses and French Canadian cattie.

No. 1, Cymbal (Imp.) 422, sire Mathius, winner 1st prize Sherbrooke, 1908. The Sherbrooke 1908. White Fair, 1911.—also was champinion Exhibition, 1908. The Montree Park 1909. The Macaulev of Champion Canadian-bred stallion at same Exhibition, 1910. 1st at Montree Park 1911. No. 3. Ophelias Heires of Champion Canadian-bred stallion at same Exhibition, 1910. 1st at Montree Park 1911. No. 3. Ophelias Heires of Champion Canadian-bred stallion at same Exhibition, 1910. 1st at Montree Park 1911. The Jose was champion mare at Champion at St. John, 1931. 1st Montree Park 1911. In aged class. Sherbrooke, 1910, 1st and Grand Champion at St. John, 1931. 1st and Defendurg, 1910. and did at Montreel, 1910; that Ottawa Winter Fair Last and St. John, 1931. 1st and Defendurg, 1910. and did at Montreel, 1910; that Ottawa String of 16, owned by the Graham, Renfrew Co., of Bedford Park, North Toronto, appear in Historiation.

All photos taken expressly for Farm and Dairy illustrated supplement.

at Ottawa, 1911 N. [22,697] (24,929), third

was, 1911, first at 8-ouff wile, and champion, 1910. No. 2.— This mare has not been shown. No. 5.—Victorine (mg) sdale mare fooled in 1938, first at Ottawa, 1911. —All photos taken expressiz, for Farm Bessie [22,700] [24,279] (25,941) 6.—Lady Bain

a rd Dairy Illustrated Supplement

9, 1911



cattle. cham-it Do. ttawa nip at (8324)



What Should a Good Cream Separator Do?



FIRST: A good Cream Separator should skim FIRST: A good Cream Separator should skim close. The Prictioniess Empire skims to a trace t toses Just one pound of butter fat in every five thousand pounds of milk. The Prictioniess Empire gets thirty per cent. more cream than old style methods. Thirty per cent. more profitable to you.

SECOND: A good Separator should be easy to clean thoroughly. The few skimming devices of the Frietionless Empire are as easily and thorough-ly washed as a glass tumbler. Cream without a taint can only be obtained from a separator than only be thoroughly selamed.

can be thoroughly cleaned. THIRD: A good Separator should save you work. The Frictionless Empire does the skimming in a fraction of the time required by old style methods. It saves many hours of work.

FOURTH A good cream Separator should be durable. The average cost per Empire machine has been but 17c per year for repairs (outside of rings and brushes) during twenty years of service.

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Imported Clydesdale Mares of the Rent Paying Sort-Interior of the New Dairy Stable at the Eastern Ontario Live Stock Show

No. 1-Heather Polly (imp) (23,98) (24,99), No. 2. Lady Clyde (imp) (23,94) (25,97), Roth animals are owned and were imported by Messrs. Smith & Eadle, Vars. Ont., two enterprising Clydesdale men who also have a herd of pure bred dryshire cattle—one of the oldest stabilished in the province of Ontario. See stock notes for The lower half of this page presents a view of the cattle in the new dairy stable at the Eastern Ontario Live Stock and Pountry Show. The stanchions and ather equipment in the stable were put in by the Louden people.

All choices taken expressive for Farm and Inject injugated Supplement.

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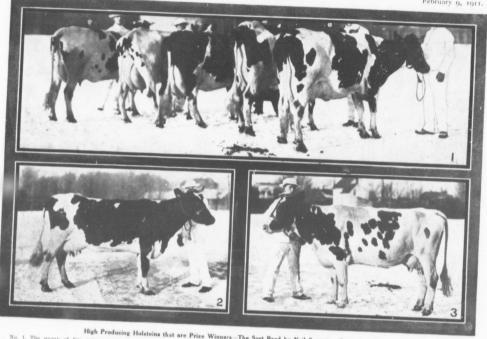
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Ayrshire Cattle of Superior Breeding, Winners in the Show Ring and in Dairy_Test Work-From the Burnside Stock Farm.

Ayrshire Cattle of Superior Breeding, Winners in the Show Ring and in Dairy, Test Work—From the Burnside Stock Farm.

Some of the champion and prize winning stock from the Burnside Stock Farm, owned by R. R. Ness, of Howick, Que., are here shown. No. 1. Barcheskie Lucky (13.45); many times a winner in the show ring and grand champion over all breeds in the recent dairy test at Ottawa, No. 2. Finiayston Maggie 3rd, (im) (25.46); many sinner and prominent as a breeder of heavy producing stock. (See stock however, producing No. 3. Burnside (imp) (20.756), the champion Arrshire bull of Cana a varing to Arch. Cameron, Howick, Que.; she a daughter of "Sing" o Own.; "Sing" o Own.; "Sing" of Own. Sing, and Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the United States. His helfers are showing up with the Canada and the Uni



High Producing Holsteins that are Prize Winners-The Sort Bred by Neil Sangster, Ormstown, Que.

High Producing Holsteins that are Prize Winners—The Sort Bred by Neil Sangster, Ormstown, Que.

No. 1. The group of two cows are part of the herd entered in the dairy test at the recent Eastern Ontario Live Stock and Poultry Show by Mr. Sangster.

No. 2. Lady Minto of Ormston, first in the mature cow class in the dairy test at the recent Eastern Ontario Live Stock and Poultry Show by Mr. Sangster Strain in the Cale of the mature cow class in the dairy test test for the mature cow class in the dairy test that the strain of Strain in the Cale of the Strain Strain in the Cale of the Strain Cale of the Strain Strain in the Cale of the Strain Cale of the Strain Strain in the Cale of the Strain Canada. Proceedings of the St



These Stables at the Winter Fair, Guelph. are equipped with Louden Stalls and Stanchions. Write for catalogue to Louden Machinery Co., manufacturers of perfect barn equipment, Guelph, Ont.



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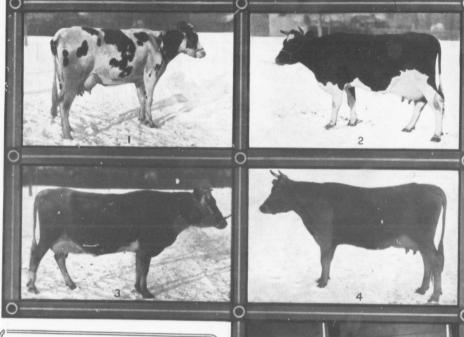
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STADACONA EDWARD, a foal of 1909

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GUS. LANGELIER, Proprietor CAP ROUGE, QUEBEC.





Prize Winning Holsteins, Jerseys and Yorkshire Pigs at the Recent Eastern Ontario Live Stock and Poultry Show, at Ottawa

No. 1. Maple Grove Tidy Pauline: second in her class at Ottawa: at Guelph this cow produced milk with an average fat content of 47 per cent. No. 2. Eloise De Kol Netherland; she won the special prine for producing the most fat during the test at Ottawa, where her milk averaged 35 per cent. It also the animals are owned and were exhibited by II. Bollert, Cassel, One.

Cumming's Bridge, Ont. (See stock notse for full particulars of these Jerseys). No. 5. April No. 4. Princess of Rideau Farm. Both animals owned by E. Paradis, Cumming's Bridge, Ont. (See stock notse for full particulars of these Jerseys). No. 5. April No. 4. Princess of Rideau Farm. But of the Arman and the Cumming's Bridge of the Arman and the Cumming a

-All photos taken expressly for Farm and Dairy Illustrated Supplement.

A Straight Talk To Farmers



By a Farmer

Subject:

The actual test or the doubtful guarantee-WHICH?

When it comes to buying shingles, which counts most with you-twenty-five years of actual wear and tear or a leaky guarantee?

The Actual Test -What It Proves

"Eastlake" Steel Shingles have proven their durability by the actual test of time. A quarter of a century ago scores of public and private buildings were roofed with "Eastlake" Metallic Shingles.

These roofs are in excellent condition and certified as such by practical building inspectors.

Think of it! For over twenty-five years scores of "Eastlake" shingled roofs have withstood the ravages of all kinds of weather the lightnings and torrential rains of summer - the hail,

snow and sleet of winter, and yet they are in perfect condition to-day.

Isn't that conclusive evidence that "Eastlake" Steel Shingles make a permanent roof?

The "Eastlake" is the ONLY steel shingle that can boast of such a record.

A Paper Guarantee-What It Stands For

Did you ever stop to figure out one of those so-called metal roofing guarantees? Did you ever discover really what it guaranteed?

You find that it is merely a claimand claims alone will never satisfy the shrewd buyer.

He rightfully demands proofs. He wants to know on what grounds the

claims are based. Unless the article has successfully undergone an actual test, a paper guaranter appears a joke.

Many times it is a cloak to hide some

weakness of the roofing it guarantees. Ask your lawyer about it. He will tell you that, stripped of its exceptions and provisions, all high-sounding phrases, little else remains

It really guarantees nothing.

Kind of risky when the guarantee is as leaky as the roof it guarantees.

You're not asked to buy the "Eastlake" on any paper guarantee—not asked to believe a single claim which the shingles have not proved. You're only advised to buy the "Eastlake"—if you want a permanent roof, because the durable and weatherproof qualities of "Eastlake" Steel Shingles because the durable and weatherproof qualities of "Eastlake".

are positively known. They have been proven by actual wear and tear test. Some day you intend putting a lightning, fire and stormproof roof on your house or barn. Then you should write to-day for this free booklet, "Eastlake Metallic Shingles." It contains information that will interest

you. Send a postcard at once—if you don't you will forget.

"EASTLAKE"

STEEL SHINGLES

Lightningproof, Stormproof and

Rustproof



All kinds of sheet metal building materials—ceilings and walls, siding, cornices, corrugated iron, conductor pine at a small control of the article of the article of the same property of the article of the article of the same property of the article of the arti ductor pipe, etc.—you can have a catalogue simply for the asking. Mention it on your post card.



KEEP

Pure breds have many advantages over scrubs. Pure bred fowls eat no more, they lay better, sell better, their eggs may be sold for hatching purposes-in every way they are more profitable than fowls of nonde-script breeding.

FREE



FREE

Why don't you keep pure bred poultry? Farm and Dairy will start you right. Our proposition is: In return for a club of four new yearly subscriptions to Farm and Dairy taken at our exceedingly low

Only \$1.00 a Year

we will in return give absolutely free a pair of pure bred fowls of any of the well known standard varieties of fowls, included amongs which are those best suited and most profitable for the farm.

FREE

in To-day



FREE

There is no need for you to keep inferior stock any longer. Show this issue of Farm and Dairy to provide the stock of the stock of Farm and Dairy to provide the stock of the

For nine new subscribers to Farm and Dairy, we will give you as PURE BRED PIG. For 25 new sub-scribers, we will give you—absolute by free—a PURE BRED AYRSHIRE CALF. Write us about other pre-niums you may want and get and Dairy.

Circulation Department

FARM & DAIRY Peterboro, Ont.

wil suc the too lun

> gan G

We must tax land, not industry, in order to raise mensy for governmental purposes. All taxes on buildings, improvements, farming implements and stock, business machinery, food, clothing, etc. should be abolished and all governmental revonues land and should be taxed and all governmental revenues and should be taxed and all and values. Land should be taxed exclusive of all improvements upon

th. Land values are created by the community at large. As the Province of Alberta is setting up year after year, the selling price of land is yearly increasing. Manhattan Island, N.Y., once sold for \$24 worth of goods. To-day it is assessed for more than \$2,400,000,000. A lot in

access as assessed for more than \$2,400,000,000. A lot in Calgary that sold for \$5,000 ten years ago, is worth \$50,000 ten years ago, is worth \$50,000 ten years ago, is worth \$50,000 tender the world is full of concrete examples. These values are all created by the community at large. By raising exernments were received by the community would retain to itself a very small part of that which it itself creates. Surely this is no robbery. If a citizen is entrement.

If a citizen is enterprising and in-dustrious, and paints his house, builds a fence, lays down a lawn, or does anything to beautify his home,

does anything to beautify his home, and incidentally the surrou-ding neighborhood, his assessment is promptly raised. If he builds a house, we increase his taxes. If he pulls one down, we decrease his taxes. If he converts the prairie into a garden, we increase his taxes. If he divides a market garden into town lots and holds the land idle waiting for a rise in prices, we reduce his taxes. The more a man does for the community, the less the community does for him. The less a man does for a community, the loss the community does for him.

A tax on production acts as a check.

A tax on production acts as a check A tax on production acts as a check to industry. For plainly if it costs a given amount to produce a given article, any tax imposed on that article must be added to the price, and the more it costs, the less of it will be consumed.

Direct Taxation the Best

(New York World)
The thousand Canadian farmers assembled in Ottawa adopted this res-

sembled in Ottawa adopted this resolution:

"The farmers of this country are
willing to face direct taxation in
such form as may be advisable to
make up the revenue lost under new
tariff relations."

The "new tariff relations" which
the Canadian farmers seek include
reciprecal free trade between Canada and the United States in farm
tools, produce, supplies, oils, fuel and
lumber, and the gradual removal of
the preferential tariff with Great
the preferential tariff with Great
the preferential tariff with Great
prikain. For our part of this prorequires tarnew of are reason which
requires tarnew of are reason which
New York more than Canada and
New York more than
Gov. Odell abolished direct for in-

Gov. Odell abolished direct for indirect and unfelt taxation in the State of New York; the result has been a swift growth of extravagance. The Federal tariff yields our Govern-

The Federal tariff yields our Government indirectly most of its revenue. Thereby extravagance thrives and manufacturing trusts are enriched. Direct taxation is the cheapest to pay because its payment is felt. It is the most economical to expend because its use is jealously watched. The Canadian farmers seem to be finding it one.

ing it out.

FARMERS' RIGHTS

Tax Land, Not Industry

Ald. Ross, Calgary, Alta.

We must tax land not industry,

Factory Management and Raw Material* C. F. Whitely, In charge of Records, Ottawa

When our cow testing records show

When our cow testing records ahow that one patron receives more cash for the milk from his 4 cows than another patron frem his 12 cows, it is the positive duty of every factory owner and sharehelder, every dairy instructor, every influential public spirited man, any one who can grasp the significance of the present waste, to sound the slegan, "better cowe" in every remote dairy district. What boots is to have a few choice prize winning cows just in a few spots in the province? We need only good cews everywhere.

reverywhere. Eliminating of the poor cows means progress, progress leads to perfection. There should be the strongers depended to the stronger and deepest interest displayed by the factory owners and the makers in this matter of the production of individual cows because the supply of raw material is of prime importance. Financial benefit both to themselves and patrens must accrue through systematic endeavor to raise the productive capacity of the average cow supplying the plant.

This line of effort should be an important and permanent feature of fac-

portant and permanent feature of fac-tory management. From the point of the view of profits and stability of busi-ness it will yield handsome returns. Get after the poor patron, he is a reasonable being with good sense when you can reach it. The aystem is good, merit will eventually win its good, merit will eventually win its title. With to under the principle and built dog tenacity, doubt will disap-pear like a snowball in a furnace.

Creamery Management Dis-

cussed

Robert Crickmore, Owatonna, Minn.

Robert Crickmore, Ovatonna, Minn.
Creamery management means the
life or death of the institution, be it
cooperative or otherwise, but it is of
the farmer's cooperative creamery as
it is known in Minnesota that these
remarks will be made. The management of ""ase creameries primarily is
in the i" as of a board of directors,
five in L...mber. This board usually
meets monthly. By meeting monthly,
it is easier for the Board to keep
things in hand than when the meethings in hand than when the meet-

it is easier for the Board to keep things in hand than when the meetings are held less frequently the second of the most hould check up the accounts of the month previous with the secretary and the treasurer and allow all bills as these latter have to be meet on the delivery of the goods. If any new machinery is needed they should authorize the purchase. They should know exactly how the corporation stands. If in debt they should authorize the puyment of the same if possible, the payment of the same if possible, knowing all these things thoroughly there is more chance that more of the

Knowing all these things thoroughly there is more chance that more of the stockholders will have at least some knowledge of what is going on and be less liable to be suspicious than they might be under a one man management or meetings held less often. Creameries have been wrecked, or nearly so, by making the board a servet society.

cret scciety.

The loard of directors should see that the by-laws of the corporation are enforced and that the butteraker has ample authority to refuse any and all *Extract from an address before the E.O.D.A. convention at Perth.

cret society.

Medeceseseseseseses | weeeseseseseseseses

RIGHT OF

Cream Separator

There is a guarded channel for each, and yet any dilatory fat particles have full opportunity to join the

cream current without disturbance in any way. Each has its full right of way from entrance into, until dis-charged from the machine. That's why the skimming is

GET A CATALOGUE

THE DE LAVAL SEPARATOR CO.

173-177 Williams St.

MONTREAL

milk or cream that will not make a former lots. In this way an amount first-class product. They should stand square behind him in the enforcement of this rule even if they themselves are caught delinquent.

BETTER THAN ICE CREAM In an experiment in which 179 per-

of eggs, sugar, lemons and havoring materials. Lacto has a more pleasing flavor than sherbets and ices, and contains considerably more nutriment. It contains as much protein as iccream, less fat and more acid.

The milk to be used in the manifacture of lacto is prepared in a similar manner to the starter which is used for cream ripening. A commercial lactic acid culture is used. This is added to a pint of skimmed milk that has been pasteurized at a temperature of 85 degrees C. (88 F.) or 20 minutes, and after pasteurization cooled to from 20 to 22 degrees C. (88 F.) until the milk and lactic acid culture is thoroughly mixed with the milk and let will be a summer and the same manner, but the same manner, but the same as the constraint of the congulated milk is add a part of the coagulated milk is add a part of the

milk currents.

so perfect.

WINNIPEG

A New Frozen Dairy Product

A new Frozen Dairy Product.

A new frozen dairy product, has
just Leen brought out by the Dairy
Section of the experiment station at
Ames. This product, which has been
named lacto, is made of loppered
whole or skim milk, with the addition
of eggs, sugar, lemons and flavoring
materials. Lacto has a more pleasing
flavor than sherbets and ices, and contains considerably more nutriment. It

No confusion occurs between the cream and skim-

in the bowl of the

e Laval

VANCOUVER

In an experiment in which 179 per-

In an experiment in which 179 persons sampled lacto, 128 pronounced it very good, 37 good, six fair, and eight poor. Company with fair, and eight they good, and they preferred lacton line considered to to sherbet, 128 preferred lacto. So preferred abertet, and 26 considered lacto equal to sherbet. Scientists have found that there are large numbers of putrefactive bacteria in the intestines, which are very injurious and may even shorten life. Metchnikoff, the famous scientist, claims that old age is the result of a slow pcisoning caused by these bacteria. He recommends the drinking of sour milk, so as to replace the harmful putrefactive bacteria by lactic acid bacteria, which are harmless. The trouble with this remedy is that few people like sour milk. To provide these lactic acid bacteria in a more palatable form was one of the reasons for introducing lacto. The lactic acid bacteria are not killed by freesing, and if lacto is eaten frequently enough there is every reason to believe that these bacteria will replace the more harmful ones in the intestines. This will result in im-

owls eat ll better,

Pure

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hatching hey are of non-

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e bred Il start

Cheese Department
Makers are invited to send contributions to this department, to ask questions on matter relating to discussion, and to suggest subjects for discussion, and to leiters to Theones Maker's D partment,

Huntington Dairymen's Conven-

In his opening address at the 39th annual convention of the Huntingden Dairymen's Associated News, the president, referred Hotel News, the president, referred to the recent progress that had been made in dairying in that district since the organization of the association 38 years ago. This pregress is due in no small measure to the work of the no small measure to the work of the no small measure to the work of the special progress. dairying in that district since the organization of the association 38 spoke on cow testing. "The Grow-years ago. This pregress is due in ing and Feeding of Rots?" was the nassociation. Letter work of the subject of an address by Mr. John Alon. Svdney Fisher, Hon. J. E. be given later in Farm and Dairy. Caron, Minister of Agriculture for? The good and bad in dairying was the subject of the closing address by the subject of the closing address by the subject of the closing address by

and twice as clean as others. others, soon pays for machine.

Fewest wearing parts. Perfectly self oiling. Fewest wearing parts. Perfectly self oiling. oil holes, cups or tubes. Uses same oil over over—three pints lasted one man three and one-half years, running machine twice daily.

half years, running machine twice daily.

No wonder Tubular uses are enthusiatic. They say,

"Thank goodness I have a say enthusiatic and a conground of the say of

THE SHARPLES SEPARATOR CO.

Cheese Department
Makers are invited to send contributions to this department, to ask questions on the contribution of the con

Manner, St. B. S. Secretary,
Mr. T. Mason, of the Live Stock
Branch, Ottawa, spoke on eern growing. He emphasized the importance of the corn crop, and gave directions for caring for the crop from the selection of seed until the time it is in the sile. Two interesting and in-structive addresses were given by Prefessor Elford, of Macdonald Col-lege, on poultry raising. According to the Professor, every 100 acre farm should keep 100 hens, and from them and the professor of Sallo a vear should be in the sile Two interesting and inshould keep 100 nens, as a revenue of \$300 a year should be realized. Mr. C. H. Whitley Ottawa, testing. "The Grow-

Miss Laura Rose, Guelph, and was illustrated with limelight views. The bad proved to be undesirable and unhealthy coax, dirty barn yards, ill-lighted, ill-ventilated and uncleaned stables, and the lack of care and cleanliness in the handling of milk. The good in dairying was illustrated by views of the best types of cows and well-ventilated, well-lighted, confortable, and clean stables.—W. F. S.

A Successful Season in 1910 N. Paget, Haldimand Co., Ont.

The dairy industry in this vicinity booming. While the prices of

50 and 75 tons, and those making less 50 and 75 tons, and those making less than 50 tons. Four or five prizes will be effered in each class and in each district. Pointers the confered for the size and appearance of factory, its surroundings, sanitary cenditions, water supply, equipment and so forth. Further particulars will be announced later.

At the Silver Spring Cheese factory, Hastings Cc., Ont., last season, 1,051,-629 pounds of milk were received from which 97.553 pounds of cheese were made. On an average 10.78 pounds of wilk The dairy industry in this vicinity is booming. While the prices of dairy products train last, production has so increased as more than even the amount of monom per cow this past year as compared with the past two years. I have obtained from each of a verage test of 3.47 per cent. fat. made. On an average 10.78 pounds of milk were required to make one pound of cheese and the average price received was 10.88 cents. The net price paid to the patrons was 86.9 cents a cevt. The average production of the 264 cows owned by the patrons was 3.883 pounds with an



A Substantial, Well Appointed Western Ontario Cheese Factory.

Last section over 130 tons of cheese we're made in the Halidmand County, On-tario, factory here illustrated.; Owing to increased quantities of milk being pro-duced, the county of the county factor of the county plant also, to faller information.

my patrons a statement as to the num-ber of cows they had producing the milk sent to my factory during 1900 and 1910. Ind the increase in pre-duction this year over 1900 equals one and one-half cents a lb. of cheese on the total production of 1909, while the average arrise received this way is the total production of 1909, while the average price received this year is less than three-quarters of one cent a b. less than that received in 1909. Our make of cheese this season will be been considered in the constant of the core 2,509 pounds on one or two Mon-days at the flush of the season. There has necessary much cheese.

days at the flush of the season.

There has not been much change
in the appearance of our factory on
the outside since the photo I am sending you was taken. The interior however, has been changed and improved. Cement floors and larger and more modern, equipment have been installed. I am at present installing a butter plant, consisting of a 4,000 pound "Success" churn, cream vats, and so "Success" churn, cream vats, and so forth. The increased amount of milk broduced by a number of my patrons has necessitated my doing this. I will make butter late in the fall, perhaps all winter, and in the early part of the spring. the spring.

A Factory Competition

At a meeting of the directors of the Eastern Ontario Dairymen's As-sociation held in Perth recently it was decided on motion of Mr. Ed-ward Kidd, M.P., seconded by Chief Dairy Instructor G. G. Publow, to endorse and support a cheese factory and creamery competition and remarks of the many competition of the property of the com-lance of the competition of the com-troughout the competition of the com-troughout Control of the com-troughout Control of the com-trol of the competition of the com-trol of the competition of the com-trol of the com-trol of the competition of the com-trol of t and creamery competitien that Farm and Dairy is planning to hold throughout ontario during the present year. The idea of holding the competition was first suggested by Mr. A. H. Campbell, cheese and butter maker in Central Smith Factory, Peterborough County.
While the plans have not been finally completed, it is proposed that the province shall be divided into three districts and that the cheese factories in each district shall be divided into three classes, those making over 75 tons of cheese, those making over 75 tons of cheese, those making between a

The loss of butter fat in the whey was .185 per cent.—J. H. Dudgeon.

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Renew your subscription now.

FOR SALE AND WANT ADVERTISING

FOR SALE-Choice Barred Rock Cocker-els. Frank Treverton, Halston, Ont.

FOR SALE—One ten h.p. Upright Boiler. New flues. Will sell cheap. Write for particuars. John M. Sherk, Pt. Abino Creamery. Ridgeway, Out.

FAR SALE—A German coach stallion, 7 years old, weighs sixteen hundred. For terms apply to, Wellington Nevills, Grimsby, Ont.

FOR SALE—Cheese factory in good dairy section. Good reasons for selling. Apply Box 700, Farm and Dairy, Peterboro. Ont.

WANTED-A married man to take charge of a combined cheese and butter fac-tory. House provided. Apply Box 900, Farm and Dairy.

WANTED.—Cheese and Butter Maker. Married man for combined factory in South Western Onterio. Full narticu.— ——mede known. Apply Box 500, care of Farm and Dairy.

FOR SALE—Aprin cheese factory, well situated, on-helf mile from 6.T.R. one mile from 6.P.R. statements of the factors argustle. Terms reasonable Purther information from M. E. Brown, Box 10, Appin, Ont.

FOR SALE-Trop Pipe, Pullays, Beltine, Por Sale-Trop Pipe, Pullays, Beltine, Rails, Chain Wire Pencing, Iron Posts, etc., all eisses, very cheep. Rand for list stating wha you want, End for list stating wha you want. The Imperial Waste and Metal Ch., Dept. F.D. Queen street, Montreal

FOR SALE.—Combined Cheese and Butter because, doing good husiness in Routh Western Ontario. Only those who mean husiness need apply. Full particulars made known. Apply Box 600, care Farm and Dairy.

and mary.

FOR SALE—Combined obsess and butter
feature emilned with all modern machinery in good running order. III
habith reason for selling. Jutterd shinsing oream this season. A bergain for
the vieht man. Apply Box 800, Farm
and Dairy.

Quebec Holstein Breeders Sale Association FIRST ANNUAL SALE Montreal, February 21, 1911

Wonderful Advantages Found Only in the World Famous

SHARPLES Dairy Tubular Cream Separator The Tubular produces twice the skimming force, skims faster d twice as clean as others. Saving in cream, as compared to

others, soon pays for machine.

The Dairy Tubular bowl contains no disks or other complicated contraptions to wash, rust or wear. World's only simple separator bowl saintary. Many times easier to wash than others. Produces finest cream. Greatest rail-road in Canada uses Tubular cream in its dining cars.

Favoral washing norts. Products the side fills.

27 Head Pure-bred and 8 High-Grade Holstein cattle will be sold at the G.T.R. Stock Yards, Montreal, February 21st, at 1 p.m. No postponment on

Many of the animals are of the choosest breeding. They come from the herds of Dr. Harwood of Vandreuli, F. J. Salley of Lachine Rapids, F. E. Came of St. Lamb Tr. Lt.-Col. Riley of Lake of Two Mountains, F. P. Ashby of Marieville and E. N. Brown of Lachine Rapids.

CATALOGUE ON APPLICATION TO

J. J. CALLAGHAN, Auctioneer, 36 Mountain St., Montreal

E. N. BROWN, 210 Quebec Bank Building, Montreal

Northwest Farm Lands

Half a million acres best selected lands in the Canadian Northwest. Special excursion in the spring to see these lands.

Write now for particulars as to prices and location. Stewart and Matthews Co., Ltd. GALT. ONT.

A Few Good Agents Wanted

naking less

five prizes be offered , sanitary equipment particulars

se factory, on, 1,051,-

eese were 78 pounds make one

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THE best teacher of duties that still lie near to us. is the practice of those we see and have at hand.

The Road to Providence (Copyrighted)

MARIA THOMPSON DAVIESS

(Continued from last week.)

Mrs. Mayberry, a country physician's widew, living near the town of Providence, has taken into her home Ellinors Wingrate, a heavitful young woman and a famous singer who has mysteriously jost her voice. Mrs. Mayberry is much loyed and respected throughout the countryside both for her goodness of heart and for the shill with which she treats minor ills. Her son Tom is a rising doctor in or the shill with which she treats minor ills. Her son Tom is a rising doctor in complishing other domestic take Miss Wingrate becomes happier than she has been at any time since the loss of her voice compelled her to cancel her contracts. Mother Mayberry takes into her home Martin Luther Hainhaway, the little son of a poor missionary. Miss Wingrate discovers in the course of cutting out doll the provided of the course of cutting out doll he, in an anxious consideration of her future, realers for Tom Mayberry, and he, in an anxious consideration of her future, realers for Tom Mayberry and the little son in the since the strongest desire in life is to be able to restore her power to sing. SYNOPSIS OF THE ROAD TO PROVIDENCE

in life is to be able to restore her power to sing.

Let's try," answered the body and the power between the power betwe

perhaps, they'll go without any remonstrance."

"Sort of a mental influence dodge," answered the Doctor enthusiastically answered the Doctor enthusiastically are to see that a load Dominick. You influence while I apread the millet seed in front of her coop." And he bent down in front of the half harrel and carefully laid a tempting evening meal, with his eye or Tussand-Feathers. Spangles hesitated, stood on one foot, clucked in an affected tone of voice to her huddling babies and coquettishly turned her bead from one side to the other as if yethusing over his artistic service before accepting his hospitality. Then, just as she was poising one dainty foot ready for the first step in advance, and had sounded a forward note to the cheepers around her. Old Dominick calmly stalked forward, stepped right across the Doctor's coaxing hand held out to Spangles, and, settling herself in the coop, began, with her voracious band of little ple-leians, to devour the grain with stolid appreciation.

Miss Wingate laughed merrily, Teether Pite gurgled and the Doctor receives the current of the coop.

Miss Wingate laughed merrily, Teether Pike gurgled and the Doctor locked up with baffled astonishment. "That was your fault," he accused; "you influenced Dominick while I was

Spangles stood afar and eyed the only vacant coop with evident disdain.

"I don't know what to do," murmured Miss Wingate pleadingly. But the Doctor stood firm, and regarded her with maliciously delighted eyes. Teether bobbed his head over her shoulder afin giggled with ungrateful delight. The poor little chicks peeped sleep", but still Spangles peeped sleep", but still Spangles matter was that Dominick had the taken the coop usually occurried by matter was that Dominick had really taken the coop usually occupied by her ladyship, and with worldly deter-mination, the scien of all the Wyan-dottes was holding out against the ex-

mination, the seien of all the Wyandutes was holding out against the exchange.

With a glance out of the side of her eyes from under her lowered lashes in the direction of Doctor Mayberry in his stern attitude, the singer lady cautiously versed around to the rear of the insulted grandee, and grasping her fluffy sitr's in her free hand, she shook them out with a pleading "Shoot"

Instantly a pefect whirlwind of spangled feathers veered around and faced the cascade of frills, and a volume of defant hisses fairly filled the air. Teether squesled and Miss Wingate retreated to the bounds of the most heartless manner, and still Spangles held her ground.

To make matters worse, Mother Mayberry's jovial voice, mingled with the ahrill treble of the combined circus party, who were trying all at once to tell her the wonders of the adventure, could be distinctly heard in an increasing volume that told of their rapid approach. The situation was deeperate, and the loss of Mother Mayberry's faith in her seemed in evitable to the nonplussed singer lady as she leaned against the fence with Teether over her shoulder. Then the "you influenced Dominick while I was was desperate, and the loss of Mother expending my force in beguing MayLerry's faith in her seemed in-grant of the next coop yourself. I shan't belp you further than to apread the grain in front of all the coops." And in accordance with his threat the Doctor eld to her the wile that is of equal andisposed of the rest of the food and liquid the same of the coops."

to the defenseless Doctor, ahe murmured in a voice of utter helplessness, into which was judicially migled a tene of perfect confidence: "Please sir, get her in for me." The response to which, being fore-ordained from the beginning of time, and the state of the plant of the perfect of the p

ordained from the beginning of time, took Doctor Mayberry just one excit-ing half-minute grab and shove to accomplish, at the end of which a ruf-fled but chastened Spangles was forced to assemble her family and content herself behind the bars of the despised

be assenting in the large of the despised coop.

"Well," said Mother Mayberry as she hurried around the corner of the house with the depleted and milk-hungry Martin Luther trailing at her skirts, "did you make out to manage 'em?" Why, ain't that fine; evry can in and settled and Fuss-and-Feathers in that end coop where I have been wanting her to be for a ward, seeing Dominick have got so make the seeing Dominick have got so make the seeing Dominick have got so make the seeing I didn't depend on Tom Mayberry Life I did on you, Elinory. This just goes to show that if you put a little trust in people they are mighty at the part to a occasion. You all look like you've Leen having a real good time!"

CHAPTER IV

LOVE, THE CURE-ALL

LOVE, THE CURE-ALL

Eat milk, thank ma'am, please,
Mother Lady," demanded Martin
Luther as he stood on the top step in
front of Mother Mayberry, who, with
Miss Wingate beside her, ast sewing
away the early hours of the morning.
A tiny blue-check shirt was taking
shape under Mother's skifful fingers,
and the singer lady was deep in the
mysteries of the fore and aft of a
minute pair of jeans trousers. The
limitations of young Ex's wardrobe
had necessitated the speedy construction of cne for the little adopt, and
Miss Wingate's education along the
lines of needle control was progressing
at what she considered a remarkable
rate.

rate.

"Why, Martin Luther!" She looked down at him over a carefully poised needle. "How can you be hungry when you ate your breakfast not two hours ago?" she added with the intent to beguile him from his demand. "All gone, thank ma'am, please," he answered looking out from under his curl with a pathetic cast of his blue eyes, and at the same time apreading both hands over his entire vital region.

his curl with a pathetic cast of missules over, and at the same time spreading both hands over his entire with a region.

"It reckon maybe we'd better fill him up agam," said Mother. "Them legs still look 'most too much like knitting-needles to suit me, and I kinder want to feel him to be sure his stomick haven't growed to his backbone. Anyway, you can't never measure a boy's food by his size. Please run and get him a glass of buttermilk and a biscuit; child, while I finish setting in this sleeve. Let make them britches legs 'fore you put 'em down. Dearie me, if you mist me he betting in this sleeve. Let make be most for the same leg! Too bad, with all them proved the same leg! Too bad, with all you what to do; list

hand-in-hand down the path to the apring-house under the hill. She had just placed in her sleeve and was regarding it with entire satisfaction, when the front gate clicked and she locked up with interest.

"Well, good morning, Mis" Maytory, 'came in Bettie Pratt's hearty voice as she swung up the walk at a brisk pace. On one arm she held a bobbing baby in a white sunbonnet, a toddler clung to her skirts and a small boy trailed behind her with a puppy in his arms. She was buxom puppy in his arms. She was buxom and reay, was the Widow Pratt, with a dangerous dimple over the corner and rosy, was the widow Fratt, with a dangerous dimple over the corner of her mouth, a decided come-hither in her blue eyes, and a smile that compelled a response.

compelled a response

"Why, Bestie child, how glad I am
to see you!" exclaimed Mother, rendering the mile from out over her
glasses. "I didn't see you all day
yesterday and the day before,
neither. But I put down to a
work-hold on us both, and holy our are,
with some of the little following as,
with some of the little following as,
with some of the little following
as empty spool for little Bestie. "as
a empty spool for little Bestie." as a
menty spool for little Bestie. The
confidence to grasp the gift.

"I told Pattie Hoover if she would
stay at home this morning and clean

connedence to grasp the gilt.

"I told Pattie Hoover if she would stay at home this morning and clean up some like her Pa wants her to that I'd let my Clara May help her and would bring the baly on up here to get him cuten the way. "Lias come along to get you to look at his puppy's foot, and I want you to see if you don't think the baby have fatted some since I've took holt and helped Pattie with the feeding of him." "He have that," answered Mother heartily. "I'd can tell it without even feeling of his legs. You've got the growing hand with babies, Bettie, and I'm glad you don't hold it back from this little half-orphant. I don't know what the poor little Hoovers would do without you!" "That's what poor Mr. Hoover I'm the support of the poor little who was the poor little who was the poor little who was the poor little what you have the poor little Hoovers would do without you!" "That's what poor Mr. Hoover

would do without you!"
"That's what poor Mr. Hoover
saya," answered Bettie with the utmost unconsciousness. "Show Mis'
Mayberry the puppy's foot, 'Lias."
"Why, the pitiful little thing!" exclaimed Mchter when a small, brown,
crushed paw was presented to her inspection. "What happened to it?"

crushed paw was presented to her in-spection. "What happened to it?"
"Mr. Petway's horse stepped on it— he didn't care. He just got in the buggy and went on. I'm agoing to kill him with a gun when I get one." Tears of rage and grief welled up in Lias' eyes, but he choked them back with a resolution that boded ill for Mr. Petway when the time of reckoning came.

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w. RTISING

Cocker Ont. Boiler Abino

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To Prepare "Lacto" at Home ed cherry syrup and 11/2 pints lemon

Lacto, a new frozen dairy product recently brought out in the Dairy section of the experimental state at Ames, Iowa, can be made attorn the household on a small scale without buying a commercial starter. Take a bottle of good clean fresh milk which has not been heated, and set it away at a temperature of from 68 to 70 degrees F. until it coagulates. If it coagulates as a smooth solid curf to 70 degrees F. until it coagulates.

If it coagulates as a smooth solid curd

if the arema is clean without pinholes, if the arcma is clean and pleasant, and the flavor nice and creamy, it can be used as a starter for a larger amount of whole or skimmed milk.

skimmed milk.

The milk when ready to be used for lacto has a mild clean acid flavor. The curd muss be the oughly broken up. This is accomplished by pouring it from one pail to another until it is as smocth and velvety as rich cream. From this "lacto milk" the various lactor, are presented. lactos are prepared.

TO MAKE CHERRY LACTO One of the most popular kinds of octo is cherry lacto. This is pre-MAKE CHERRY LACT One of the most popular kinds of isacto is cherry lacto. This is prepared from the following formula, which is sufficient for five gallons of the finished product; three gallons lacto milk, 9 pounds sufficiently for the first product of the finished product.

ed cherry syrup and 1½ pints iemon juice.

The sugar is first dissclved in the lacto milk. The eggs are then prepared. The whites and yolks are kept in separate containers and each lot is beaten with an egg beate Both the yolks and whites are then added to the milk. The mixture is thoroughly stirred and strained through a fine wire gauze. The fruit juices are added last. If there is any indicate and in the yolk of the property of the property

OUR HOME CLUB

In January 12 issue of Farm and Dairy "Aunt Faithie" struck a keynote that in my estimation should be sounded long and loud. I have been wendering if we would have been wendering if we would have taken a daily paper, "especially at Christmas time," and cut out all the liquor advertisements and everything else that was rot elevating or instructive to the young minds, then see how much would be left of it. If we ourselves would not burn with indignation at the thought of so much literature that is really demoralizing to our minds coming to our minds coming to our momes every day, how much are we responsible for for bringing such a thing to cur homes to be daily companions to our children? Where and how are we to start the work of clean flow are we to start the work of clean daily papers? Let us hear from some other members along this line.

"The Doctor's Wife."

MAKE CHILDREN HAPPY

MARE CHILDREN HAPPY

"Make children happy and they
will be good." Often we proceed the
will be good." Often we proceed the
preach and soold, and threaten and
punish, to make them good, but do
very little to truly make them happy.
Children are easily pleased, but we
too often make the mistake of giving
them that which gives so little pleasure. Giving them more of mother's

them that which gives so little plea-sure. Giving them more of mother's love, time, and attention, and fewer tucks and furbelows, on their tiny garments would make many a child

happier.

Again, some mothers are such good and tidy housekeepers, and try to keep everything in applications. Again, some much-to-he-pitied photocare that the much-to-he-pitied photocare are made to feel that coming into the house is an intrusion. They are minded "that they track in so much dust and dirt," and they learn to make the street their home, and gradually drift away from the mother's love.

Mothers, do not begrudge spending a few minutes with the children. Help the little girlie to make her dollie's dress; stop long enough to direct the wee laddie in his play, make comrades of your children. Be boys or girls with them. You will never repret it. Have a children's hour.

Betwirkt the dark and the daylight. Betwixt the dark and the daylight. When the night is beginning to lower. Comes a pause in the day's occupa-

Comes a pause tion, What is known as children's hour. —"Aunt Sue."

IS THE ANYONE REALLY CARES?

I do not think there are many men women who do not desire congenial companionship, and to know and feel that there is someone in this wide world who has personal in-terest in them. The some why so many lives are so barron is not there is a feeling that "Well and the wi-is a feeling that "Well 71 think one what I do, there's nobody cares, so it dosn't mater much." I think one of the greatest sources of happyness is in having someone to live for, or nial companionship, and to know and of the greatest sources of happyness is in having someone to live tor. Or work for, "who really cares." The control of the con spiration to have the sympathy and the kind words and smiles of approv-al on our efforts to battle with the struggles of this life from someone-whom we know really means it. This is what makes life worth 'iv-ing.—''City Cousin."

... A Help for the Cook

I have used the self-baster, and know about its merits. It is also a little labour-saving device and draws the attention of every intelligent woman. No well-conducted bousehold should be without one. If one has a roast of any kind to cook it is a much easier method to prepare the save of the s I have used the self-baster,

There is no better way of toasting bread than by placing it in a corn popper. Lay alices in the bottom and hold over the hot coals. The long over the hot coals. The long the heat. In this way small scraps the heat. In this way small scraps can be toasted quickly and easily.

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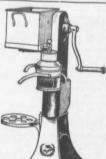
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FARM & DAIRY Peterboro, - Ontario The Upward Look

The Glory of Service

Inasmuch as ye have done it unto one of the least of these my brethren ye have done it unto me.—St. Matt. 25: 40.

rudge spending the children.
to make her in his play.

LLY CARES? are many men desire conge to know and neone in this personal in-

eason why so no matter dy cares, so I think one of happyness of happyness o live for, or cares." This ceat incentive man who has a great ines of approv-

om someone means it

Cook

baster, and It is also a e and draws intelligent intelligent cted houseone. If one to cook it is to prepare and put it he old-fashto roast in ater over it one knows ender, juicy uld be well best results constantly done. You self-baster late women self-baster

of toasting in a corn bottom and The long back from nall scraps d easily.

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dian \$2

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tario

h them. You Have a child-

the daylight, ning to lower, day's occupa-

25: 40.

God is love (1 John 4: 8), and He dwells in the hearts of each of us. In the parable of the vine Christ showed how we are all one with Him and by He is one with us. If we do not learn good fruit in our lives we are to be pruned off and destroyed. If we do bring forth good fruit we shall in the singular contraction of the property of the pr ildren's hour.
-"Aunt Sue." due time receive cur reward.

The wonderful feature of this great The wonderful feature of this great thought is that Christ dwells in us. It does not matter how humble or how exalted we may be. Christ is in the heart of each of us. He is as truly a part of the life of the humblest employee cf a great manu-facturer as He is in the heart of the manufacturer. He is in the heart of the servant as surely as He is in the heart of the mistress of the manufor.

That

ANYONE

Can Use. HOME DYEING has

Not so when

DYOLA

ONE OTE TOO ALL KINDS OF GOODS

the servant as surely as He is in the heart of the mistress of the mansion. What does this mean? Our text tells us. If we love our employee we love Christ. If we are kind to then we are kind to then we are kind to them we are winded to them. If there is a single human being whom we dislike or hate we virtually dislike and hate Christ, for Christ is in that person to some extent at least, even although it may not appear so to us.

pear so to us.

That is why we are told to love one another, to forgive one another, Here's a Home Dye

Sens for Sample Card and Story Bookler 90 The JOHNSON RICHARDSON CO., Limited,

and why we are warned not to judge one another.

Is this not a wonderful conception of life? Were we to meet Christ we would rush to render Him auch lov-ing service as we could. We would delight in the opportunity. The fact delight in the opportunity. The fact is we are meeting Christ in every person whose life we touch. If we do them a loving service we do it unto Him. The children in our homes, the beggars who call at our dors, are all branches of the true vine. They are indeed by the same spirit that is within us. If, therefore, we think ourselves to be better than others, no matter how humble they may be, and scora or neglect them, we are virtually setting ourselves as being above Christ, and we are neglecting him. That is why we are warned that those who exalt thenselves shall be humbled, while the humble shall be exalted.

How true tie often is that we have

How true it often is that we have ves but we see not! We fail to see eves but we see not! We fail to see that we can please and render a lov-ing service to God by rendering it to those round about us, in our homes, or anywhere. "Let the judgment ing service to God by rendering it to those round about us, in our homes, or anywhere. "Let the judgment that Christ is te pass upon us at the last," said Robert E. Spear in an address to some students, "warn us against our failure to behold Him in the trivial and isconsequential. In that day we shall ask Him, When saw we Thee?" 'Saw me?' He will answere when you lied to that man saw we there? "Saw me?' He will answere when you lied to that man one? In a baselutely every trial and testing of your life you faced Me." "This life of ours, what is it except just the story of our attitude to Jesus Christ? My bearing to every man or woman or child is my bearing toward Christ. Every hope and thought and act and practice of mine is a judgment for or against Jesus Christ. In the secrecies of our life we are living against Him or for Him, and at the last we shall be judged in proportion as everything judged in proportion as everything to the Christ when of our live."

to the Christ whom we served or spurned in the silences of our lives." It is for this reason that every

quiet man and woman who uses his or her life to help others is living the great life. It does not matter whether this life is lived in obscurwhether this life is lived in obscur-ity or in prominence as long as it is lived for God. Let us not, there-fore, soon the little things. Instead, let us crowd our lives full of leving, kindly deeds. Thereby we may know that we are pleasing God.—T. H. N.

Tools for the Housewife

Every farmer's wife should have her tool kit. She needs it, just as much as the men folk. A wood saw. much as the men folk. A wood saw, a meat saw, a hammer, screw-driver, pinchers, etc., and nails of all sizes. She will be surprised how much fixing she can do for herself, when she has suitable tools to work with. We often hear our men folk laugh at us for driving nails with a lieu worker. often hear our men folk laugh at us for driving nails with an iron wedge and all such awkward implements. Why do we use them? Simply for the reason that we have nothing else at hand to use. Let us get suitable tools and we will soon find that with a little practise we can be a suitable tools and we will soon find that with a little practise we can be a suitable tools and we will soon find that with a little practise we can be a suitable tools and we will soon find that with a little practise we can be a suitable tools and we will soon find that with the suitable tools and we will soon find that with the suitable tools and we will soon find that with the suitable tools are the suitable tools and we will soon find that with the suitable tools are the suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools and we will soon find that will be suitable tools are suitable tools and we will soon find that will be suitable tools are sui a little practise we can use them with a skill that will surprise all.

Twice a Winner

I have just received a fine micker watch for securing two new yearly subscribers to Farm and Dairy at \$1 each, and for which I thank Farm and Dairy very much. I think it is a nice watch, and it is the first one I ever had, I also received a pair of skates for securing two new subscribers to Farm and Pairy, and any much placed with I have just received a fine nicket and Dairy, and am much pleased with them.—Raymond Hooper, Carleton Co., Ont.

Business

1. Thou shalt not wait for some-thing to turn up. but thou shalt pull off thy coat and go to work, that thou mayest prosper in thy affairs and make the word "failure" spell

"success."

2. Thou shalt not be content to go about thy business looking like a lasfer, for thou shculdst know that thy personal appearance is better than a letter of recommendation.

3. Thou shalt not try to make excuses, nor shalt thou say to those whe chide thee, "I'd didn't think."

4. Thou shalt not wait to be told what thou shalt do, nor in what manner thou shalt do, nor in what manner thou shalt do, lot in the job which they have be long in the job which fortune hath given thee.

5. Thou shalt not fail to maintain

5. Thou shalt not fail to maintain 5. Inou shalt not fall to maintain thine own integrity, nor shalt thou be guilty of anything that will lessen thy good respect for thyself.

6. Thou shalt not covet the other fellow's job, nor his salary nor the position that he hath gained by his own hard labor.

7. Thou shalt not fail to live within thy inceme, nor shalt thou contract any debts when thou canst not see thy way clear to pay them.

8. Thou shalt not be afraid to blow thy own horn, for he who faileth to blow his own horn, at the proper oc-casion, findeth nobody standing ready to blow it for him.

9. Thou shalt not hesitate to say "No," when thou meanest "No," ner shalt thou fail to remember that there are times when it is unafe to bind thyself by a hasty judgment.

bind thyself by a hasty judgment.

10. Thou shalt give every man a square deal. This is the last and great commandment, and there is no other like unto it. Upon this commandment hangs all the law and orofits of the business world.—Graham Hood.

********* THE COOK'S CORNER

Recipes for publication are requested. Inquiries regarding cooking, recipes, etc., gladly answered upon request, to the Household Editor, Farm and Dairy. Peterboro, Ont.

Tea Biscuits

Put inte one sieve of flour a teaspof soda, and 2 teasp. of cream of tartar and a pinch of salt, sieve. Into this rub 2 tablesp. of lard, a fow currants and mix stiff with half sweet and half butter milk.

weet and half butter milk.

Wiffins, white
One cup granulated sugar, 1 egg,
1 tablesp. lard, a little salt, beat well,
then add 2 cups sweet milk, 4 cups
flour, into which has been put 1 teasp,
soda, 2 teasp, cream of tartar. Drop
in muffin tins and bake in a hot

MUFFINS, WHOLE WHEAT

MUPPINS, WHOLE WHEAT
One cup sugar, I egg, salt, 2 tablesp
butter or lard, beat well, then add 2
cups butterm k, I teasp, scda and 1
teasp, cream of tartar. Drop in muffin tins and bake in a hot oven. This
makes an excellent brown loaf if baked one hour in an individual bread

pan. CHOCOLATE CAKE
Two-thirds cup chocolate, (grated),
% cup granulated sugar, % cup sweet
milk, yolk of 1 egg. Boil to the consistency of cream, cool. In another
vessel put 1 cup sugar (gr.) % cup
vessel grege, beaten separately; %
cup so grege, beaten separately; %
cup so grege, beaten spearately; %
to see sumit, 2 cups of flour, with
I teams part of the control of the cont

Add the first ingredients before outting in flour. This can be baked in layers or as a square chocolate cake. Use icing sugar with chocolate grated in mixed with milk and heated over the kettle to ice this cake.

The Sewing Room

Patterns 10 entits seeth. Order by number and sists. If for children, give age; and define, give host measure for walste. Order to the children, give host measure for walste.

FANCY WAIST, 6863



WAIST. 8863.

The waist with a chemisette effect is chemisette effect is chemisette effect is and pretities shown. This can be made just as illustrated or with a round neck, and this neck can be finished with a little tucker or Frill. For medium size is 4 yds. 24 or 27 in. wide for the trimming portions, % vd. 44, with % yd. 18 in. wide for the trimming portions, % vd. wide for the trimming portions, % vd. the chemisette. The pattern is cut. The pattern is cut.

FIVE-GORED SKIRT. 6871. BE TUCKED OR GATHERED



The simple gored skirt extended a little above the waist line is exceedingly becoming to girlish figures and is greatly in vogue.

Material required for 16 yr. size is 5% yds. 24 or 27 in. wide, 3½ yds. 36 or 44 in. wide. The pattern is cut for misses of 14, 16 and 18 yrs.

ONE-PIECE BLOUSE WITH YOKE. 6862.

Every variation of the one-piece blouse in bullet worm.



the one-piece blouse is being worn this season, but this one, with the shaped yoke, is one of the newest. It is peculiarly well adapted to combination of materials.

Material required for medium in the season was a season with the season with the season with the season was a season with the season was a season was a season with the season was a season with the season was a season was a season with the season was a season was a season was a season with the season was a season with the season was a season was a

Makerial required for medium size is 2% yds. 24 or 27 in. wide, 1% yds. 36 or 1% yds. 44, with % yd. of silk for yoke and sleeve bands. The pattern is out for a 34, 36, 38 and 40 inch bust meas-ure.

BLOUSE OR DRESS SLEEVES. 6868,



RLOUSE OR DRESS SLEEVES, 666.

The sleeve at the extreme left and the ellow extreme left and the left with only the difference that the lining of the long sleeve is covered with set is covered with extreme left and left without, and the second one is exactly like the first, except This cap can be first, except the same or contrasting material.

Material required for the medium size is for either the long puffed sleeves or

Material required for the medium size is for either the lone purified sleeves or the elbow sleeves 1½ vds. 24 or 27 in. wide. ½ vds. 54 or 27 in. wide. ½ vds. 55 or 41 in. ½ vd. of all-over lace for the cuffs of the long sleeves. For the mousquetairs sleeves will be needed 1½ vds. of material, 24 or 27 in. wide. ½ vd. vd. 24 or 27, % vd. 36 or 44 for the caps.

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first at the Dominion Exhibition, at Winnings. Since that she has been exhibited several times as one of the same been exhibited several times as one of the same second as throughout Canada. She was second as throughout Canada. She was second as the same second as the same second as the same second of the same second as the same second of the same second setting a yearly test in the Record of Performance as a two-year-old second sec

of her heifers ere libely the followers of the heifer a from the followers of the followers OTHER GREAT PRODUCERS

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The now fumous breed from the Burnside Stock Farm has won the hedr prize

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bilmented upon his successful attempt at test work.

Mr. Ness has demonstrated byyond peradventure that his cows, while at the top in show rings, are also price and the period of the cows, important the company of the cows, important the company of the cows, important the company of the com

THE HILLSIDE STOCK FARM

THE HILLSIDE STOCK FARM

The Billied Stock Farm, owned by Mesers. Smite Stock Farm, owned by Mesers and College Stock Farm, owned by Mesers St

rossed the Atlantic. That was about a green ago. Since that time the farm as revers ago. Since that time the farm as reverse ago. Since that time to first reverse ago. Since that time to first reverse ago. Since the stationary and the stationary ago. Since th

prices.

Mr. Eadle also has a fine herd of purcherd Avrshire cattle—one of the oldest herds in Ontario. His cattle averaged this season at the cheese factory over 50, and there were six two-year-old heilers in the herd.

THE RIDEAU FARM JERSEYS

THE RIDEAU FARM JERSEYS

Bix years ago, in a small way, Mr. E. Brazade ago, in a small way. Mr. Parade ago, in a small way, many ago, and a small way and a small



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area Harvester advantages,
much to do with your dairy profits which have
catalogues and all information, seeks him contained to the contract of the

CANADIAN BRANCHS-International Harvester Company of
America at Brandon, Calgary, Edmonton, Hamilton
Lethridge, London, London, Windows, College,
Regins, Saskatono, St. John, Wysburn, Winniper, College, INTERNATIONAL HARVESTER COMPANY OF AMERICA Chicago U S A

I H C Service Bureau

The purpose of this Bureau is to furnish farmers with information on better farming. If you have any worthy question concerning soils, cropp, pests, and learn what our experts and others have found out concerning these subjects.



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Contracts
Montreel,
Saskatoon,
and other

. ***************** **OUR FARMERS' CLUB** Contributions Invited Mettettttettettettett

February 9, 1911.

PRINCE EDWARD ISLAND PRINCE CO., P.E.I.

FRINCE CO., P.E.I.

KENSINOTON, Jan. 26.—Prince Edward laind is enjoying fail weather. There has been no snow yet, and only a few has been no snow yet, and only a few tion is closed, except for the two winter steamers. The short courses at the Agriculation of the course, and tendence of the course, and much good will result. The J. E. Island is students presented the course, and much good will result. The J. E. Island is students presented coup in rememorance of his noble efforce oup in rememorance of his noble efforce on the course, and much good will result of the distribution of the course of the course, and much good will result the course, and much good will result for the course, and much good will result for the course and much good will result for the course of the co

ONTARIO

HASTINGS CO., ONT.

HASTINGS CO., ONT.
SIDNEY (GROSSING, Jan. 30.—Wheat and clover fields are either bare or covered with ice. Clover threshing is nearly completed and the crop has moved out at fair prices, not much remaining in the bands of the farmers or the buyers.

Timothy hay is selling for \$12 to \$31 a ton; out 360 a bus; barley, 56c; oorn, 56c; pean 70c; engs 36c; butter 21 to 25c; potatoes 75c a bag; hogs \$7.20 to \$7.25 a cent.—J.K.

MADOC, Jan. 27—A very successful short course was held here to-day and yester-day. Dr. H. G. Reid, Georgetown; C. F. Bailey, Toronto, and P. B. Mallory, Frankford, conducted in a masterly way the judging of the various classes of stock. The course was under the direc-tion of District Representative, A.D., Moltnosh.—KO.

NORTHUMBERLAND CO., ONT.

NORTHUMBERLAND CO., ONT.
CRNTERFOR—There is plenty of good feed. Little stock, excepting an occasional control of the control

SIMCOE CO., ONT.

SIMCOE CO., ONT.

ELMYALE, Feb. 1.—We have had most excellent sleighing since November. A few days' mild weather now and then has kept the snow from getting too deep. Under the management of I. F. Metcalf, the classes were held in Elmyale. More than the following that the classes were held in Elmyale. More than the classes were the conducted the classes—C. S. Blengary onducted the classes—C. S. Blengary well. IN Conduction of the classes—C. S. Blengary well. The conducted the classes—C. S. Blengary well. The conducted the classes—C. S. Blengary of the classes—C. S. Blengary

WELLINGTON CO., ONT.
FERGUS. Jan. 30.—The weather has been very changeable lately. For a day or two it was quite soft and rainy. The snow has gone down a great deal. The faciliar are quite bare. Tooday it is quite faciliar and the state of the control of the co

FERUEN, Jan. 30.—The weather has been two it was quite soft and rainy. The snow has gone down a great deal. The fields are quite bars. To-day it is quite all kinds of work especially teaming. Cattle prices are a little better, choice state while a constant of the state of the prices are a little better, choice state while a constant while the prices are a little better, choice state while a constant while the prices are a little better, choice state while a constant while the prices are and the prices. The former are beginning to speak of seed grain selection. Farmers (the meeting are quite interested in matters that be farmer. Abundance of feed seems to be farmer abundance of feed seems to be farmer. Abundance of feed seems to be farmer abundance abun

The egg circle will be inaugurated later when the hens lay more. To-day your scribe had the pleasure of attending a conceing at Conceings for the purpose of attending at Conceing for the purpose of a conceing at Conceing for the purpose of the purpose of the conceing at the conceing at

NORFOLK CO. ONT

ERIE VIEW. Jan. 30.—Parmers are busy teaming away wheat for shipment. They are roceiving 80s a bashel. Hogs are selling for \$7.00; eags, 200; butter 20c. selling for \$7.00; eags, 200; butter 20c. in good condition. In the stock is in good condition. In the stock is having great trouble with their poultry. The birds seem to be dying off; cause unknown. Dairy cows are very high and in great demand—B.B.

BRUCE CO., ONT.

BRUCE CO. ONT.

WALKERTON, Jan. 31, 1911—The weather this month has been changeable. Hauling out manure seems to be the only seed of the form. There is plenty seed of the form. There is plenty seed to be considered to the form of the

GOSSIP

GOSSIP

The two sows from the Oak Ledge hard of Yorkshires, photos of which are reproduced in our Illustrated Supplement our Illustrated Supplement of their breed. The sautiful specimens of their breed. The sautiful specimens of their breed. The plenty of hone and substance of body, indicating excellent feed-stance of body, indicating excellent feed-stance and the sautiful state of the sautifu

TAMWORTHS POPULAR IN SOUTHERN
Milton P. Jarnsgin, Animal Husbandman
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Mechanic Art. Grant Cogne of Agriculture and
Mechanic Art. Grant Cogne of Agriculture
Athens, in a recent letter to J. W. Toff, at
Athens, in a recent letter to J. W. Toff
Corinth, Ont. onquiring for stock from
him for the College farm in Georgia,
states that there is a keen demand for
Tamworths from the Cogne of the Cogne
g stock to callarge their herd of breeding stock to callarge their herd of breeding stock to callarge their herd of breedming stock to mile organic Mr. Toff also
swine down in Georgia. Mr. Toff also
states that there is a growing demand for
Tamworths from Canada and from other
parts of the United States.

SMITH & RICHARDSON'S HORSES

HOLSTEIN NEWS

Peradale MOLSTEIN NEWS
Peradale Mold, 69%, a cow belonging to
the herd of Glover Hill Holsteins, owned
by John O. Brown, of Stamford, Ont.,
gave birth to a nice helfer calf weighperadal stamper of the stamper of th

and calf are doing wel.—J.C.B.

Stevens Bros. of Liverpool. N.Y., have
a Holstein-Friesian cov. relich has lately
taken the 7 day butter record awards
Grace Fayne 2nd's Homestead, owned by
H. A. Moyer of Syracuses. The latter's
record was \$5.56 lbs. made in 1906. The new
H. A. Moyer of Syracuses. The latter's
record was \$5.56 lbs. made in 1906. The new
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QUEBEC HOLSTEINS AT AUCTION

OURBIC HOLSTEINS AT AUCTION
A number of Holstein Breeders in the
vicinity of Montreal have formed an association with the object of holding an
advantage of Holstein cattle in that
and the state of Holstein cattle in that
occupantly are within a radius of 40 miles of
Montreal. Buyers should be attracted to
Montreal. Buyers should be attracted to
practically make Because this district is
as high as in Ontario or New York.
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The help which we have received from Farm and Dairy during the past three years has been worth many times the value of the subscription price.—E. F. Eaton, Col. Co., N.S.

Shoe Boils, Capped Hock, Bursitis

are hard to cure, yet ABSORBINE will remove them and leave no tish. *Does not blister or rethe hair. Cures any puff or swelbe worked, \$2.00 per bottle, deliver

ng. Horse eas Mr. S. Nixon, Kilbridge, Ont., writes Jan 21, 1910, "I have used ABSORBINE with success on a curb." W. F. YOUNG, P.D.F., 123 TEMPLE SI., SPRINGFIELD, MASS LYMANS Ltd., Montreal Canadian Agents



SYNOPSIS OF CANADIAN NORTH-WEST LAND REGULATIONS.

ANT person who is the sole head of a family, or any male over 19 years old. The family of any male over 19 years old. The family of any male over 19 years old. The family of the family

of intending homested.

Duties—Six month's residence upon and cultivation of the land in each of three prises. A homesteader may live within the prises of the land in each of the prises. A homesteader may live within the prises of the land of a farm of a least 60 acres solely owned on a farm of a least 60 acres solely owned on a farm of a least 60 acres 10 acre

acres stirs.

A homesteader who has exhausted his homestead right and cannot obtain a presention, may enter for a preclased homestead right and cannot obtain a presention, may enter for a preclased homestead right and care. Duties—Must reside six months in each of three years, cultivate diffy acres and creek a house worth \$500.00 yr.

Deputy of the Minister of the Interior.

Deputy of the Minister of the Interior.

Acres and creek a house worth \$500.00 yr.

Deputy of the Minister of the Interior.

Acres pade for.

Maple Syrup Makers Read This



"OHAMPION" EVAPORATOR

Be on the safe side and place your order with us at once, as our great rush comes in March, and in order to avoid any possible chance of disappointment. Write us to-day for free booklet and prices. We are headquarters for the "CHAMPION" Evaporator and all up-to-date Sugar-makers' Supplies.

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SUNNYSIDE HOLSTEINS. — Young stock, CLYDE HORSES, SHORTHORN CATTLE-All ages.—J. M. Montle & Bon, Stanstead, Young stock for sale at all times.—B. P. Redmond, Peterboro, Ont.

CLYDESDALE HORSES, SHORTHORN CAT-TLE-Large selection of best stock. Prices reasonable.—Smith & Richardson, breed-ers and importers, Columbus, Ont.

ORMSBY GRANGE STOCK FARM, ORMS-TOWN, P. QUEBEC. — Importation and breeding of high class Clydesdales a spec-ialty. Special importations will be made. —Duncan McEachran.

SPRINGEROOK HOLSTEINS AND TAM-WORTHS.—High-clase stock, choice breed-ing. Present offerings, the stock of the con-ers, fresh and in calf. Young bulls. Five Tamworth boars from Imp. stock, ready to wean.—A. G. Haliman, Breelau, Ont.

YORKSHIRE AND TAMWORTH HOGS,— Plymouth Rock and Orpington fowl.—A Dynes, 434 Parkdale Ave., Ottawa.

HAMPSHIRE PIG5 — Canada's champion herd. Boar herd headers. Sows three months and under.—Hastings Bros., Oross-hill, Ont. CLYDESDALES—Many by that great sire Acme, (Imp.) Write us, R. M. Holtby, Manchester P.O., and G.T.R. Station, Myrtle C.P.R. Long Distance Phone.

TAMWORTH SWINE—Choice stock for sale at all times at reasonable prices. Correspondence invited. Wm. Keith & Son, Listowel, Ont.

MARKET REVIEW AND FORECAST MARKET REVIEW AND FORECAST

Toronto. Monday. Feb. 4, 1911.—The excitement over the reciprocity situation services and the services of the services of the services of the services of the services on the question. No matter has outcome of the delicity of the services of the services

WHEAT

WHEAT

Wheat has been see, as wing throughout the week, with a tendency towards its close, to be weaker. From all appearances to not likely to be much change in the second of the secon

year.

The local trade is steady and dealers give the following quotations: No. 1, Northern \$1.02; No. 2, \$9% a bushel; Ontario winter wheat, No. 2, \$6c to \$76 outside. On the farmers market, fast wheat

TRY THE SMITH FREE

is selling at 56c to 57c and goose wheat at 50c to 58c a bushel;

COARSE GRAINS

The market for coarse grains is firm and town the firm of the coarse grains is firm and town the first selling the coarse grains is firm and town the first selling the coarse grains is firm and town the first selling the coarse grains is firm and town the coarse grains is firm and town the coarse grains in the coarse grains and the first selling at the following prices, oats after a firm date at the following prices, oats after a firm date at the following prices, oats after a firm date at the following prices, oats after a firm date at the following prices, oats after a firm date at the following prices, oats after a firm date at the fi

be to Yes, buckwheat, 60; to 80; a bushel.

In Montreal trade is steady and such a second of the such as the such

pickers. EGGS AND POULTRY

Egg are decining in price everywhere and reliefs are now enabled to replensish there are now enabled to replenish there is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is a supplied to \$0.0 a dox, en. There is \$0

cheaper.

On the farmers' market poultry are selling at the following prices: chickens, the following prices: chickens, the following prices: chickens, to 36c; ducket 75c; to 13c; ducket 75c; ducket 75c

remained unchanged at last week's suctations and are as follows: choices. So to see the second of th

SZZ at On 10 bags; shorts, \$24 a ton.

SZ at On 10 bags; shorts, \$24 a ton.

Quotations \$5 EEDS

Quotations \$25 EEDS

Quotations and shorts at one of the control of the co

Dealers give the following quotations:
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decece, 15c to 16c and rejects
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affected to 16c and 16c and

calfskins, 12c to 13c a lb.; tailow, 6). calfskins. He to He a b.; tailow, 6;.

o. At country points dealers are pothe following prices: Gured hides, 8;

8;50 a lb.; green hides, 7;0 a .u.; 4h,

skins, 60c to 90c; norsehides, 82.75; honair, 50c a b.; catskin, He to 12c a

lows; and, dealers give quotations as

lows; later and cow hides, 10c; 4,

90; No. 1 steer and cow hides, 10c; 4,

10c a lb.; lambekinse to 51.00 each.

A 521 No. 5, te a lb. calistins, lie to \$1.50 each.

He of the case of the cas

caulinower, 100 150 each.

HONEY
Prices are quoted by wholesale dealers
as follows: s.ran.nd clover honey in 60
10. tins, 11c a. b.; clowwneat honey, 7c
a bb, in tuns; 6°c; a bb, in ourrens; onoice
comb honey, 82.55 to \$2.50 a dozen.

Things are containing to pick up but they may see a good deal setter stutcher may be a good deal setter stutcher may be a good of the setter stutcher may be a good of the winter of transfer steadiness of the winter of read a few farmers to dispose or some of the following the macross of the winter of feed.

The following the seed of the seed of the following the pass week deal would carried the seed of the seed HOHSE MARKET

saw to scale express to, \$50 to \$20; and scale horses, \$100 to \$50. Expressly sound acrees, \$80 to \$100. Expressly sound the week and athough prices due not the week and athough prices due not clee the season of the se

MONTREAL HOG MARKET
Montroal sata. Feb. 4.—There has been
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EXPORT BUTTER AND CHEESE EXPORTED BY 2500 to 59.75 a cett.

EXPORTED BY 2500 to 59.75 to test.

Moritral, the test of the "The trade in cheese has dropped the "The trade in cheese has dropped to the "The trade in the trade

We want a SMITH STUMP PULLER on every stump or timbered farm in the country. It has a cost record of 55 a

day, doing the work of 20 men. Write to-talogue and FREE TRIAL OFFER. W. SMITH GRUBBER CO., 26 Smith Stn. La Crescent, Minn.

Imported Champion Percheron Stallions for Sale

The winners of all Firsts, Sweepstakes and Medals at Toronto and Ottawa Fairs. Prices below all competitors, quality and breeding considered. Terms to suit the

Come to the Home of the Prize Winners

JOHN HAWTHORNE

SIMCOE ONTARIO

"IDEAL" FENCE Made to Last

Wise farmers buy things that are sure to last long. For this is true economy and good sense. And it is tness wise farmers who have made the sales of "IDEAL" Woven Wire Fence of the market. It is made to LAST Same large guage No. 9 bard steel galed wire throughout — amplest strength ——surest service.

This Lock makes

IDEAL FENCE Study this Lock Strongest in

See how the Ideal Lock grips the wires in five different places—with no sharp turns—firmly, evenly. Thus this Lock absolutely prevents the wire from slipping in any direction. See the waved horizontal wires. They give spring and elasticity and long, life to the fence, and provide for expansion and contraction. Indeed IDBAL Fence will last. Learn more about it. There is a style for every purpose—and every style the best you can buy. Write us to-day.

Existence McGREGOR BANWELL

FENCE CO., Ltd. WALKERVILLE, ONTARIO

Send a Postcard for Catalogue 126

and Sample Lock.

Ib.; tailow, 6% a dealers are paying dealers are paying Jured hides, 8c to 1/2c a m.; sheep hides, 82.75; however, 1 lie to 12c a m. quotations as 60 ow hides, 10c; %0. carfas,ms, 11c to \$1.00 each.

as this to say in ket. The market advance of from lunbia, 25c 1.0b cent uoldens, 3c 3c; German, 3c, 5c; Fo.o. coast; Canadian, coast; Canadian, in supplies.

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de throughout prices did not ney were good d seliers aike ally noticeanse the drop in drelined the a the drop is dreilined age and dreilined age and contains hogses quoted has a were rather the issuance prices paid for a prices were ally represent wenders were did their cattle only paid for

current dur-cattie, 80 to .75; ordinary, choice bu-tium, 84.25 to .55 to 85.25 a medium, 84.25 bu; carcasses, .80 to 85.3; \$4 to 85.3; \$5 to 85.3; .80 to 85.3; ARKET

off cars sold s quoted to d, and fring freely ith country to a cwt.

CHEESE te trade in eek, and as ere is very at shipping Il Canada lontreal is 00 boxes, unsiderably ed demand far West, held at 4c to 24%c

STANCHION The standard of neatness and convenience for a quarter of a custury.

Rt. Gov. Hoard of Hoard's Dairymen writes: "I have been very much impressed with the custoff of convenience of Warrings."

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WALLACE B. CRUMB., "Forcest 'flee country to country to Canadian orders illed from Canadian factory. Il correspondence should be addressed to the home office, abe in inquiry if you prefer booklet in French or English

AYRSHIRES

STONEHOUSE STOCK FARM



HECTOR GORDON,

LAKESIDE AYRSHIRES

Special offering of four young bulls, dif-ferent ages, from imported stock. Write for particulars.

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

BURNSIDE AYRSHIRES

Are Well Known.
They are from the best imported and home bred stock. They are true to type. They have good show yard records, as well as large record of milk and butter fat. Stock for sals. Write or come to Burnside Farm.

E W 15-10-11 R. R. NESS, Proprietor, Howick, Que

SUNNYSIDE AYRSHIRES. SUNNYSIDE AYRSHIRES.
Imported and home bred, are of the choicest breeding, of good type and have been selected for production. THREE young bulls dropped this fall, sired by Techner Hall Good-time"—2664—, (Imp.) are of the choices o

J. W. LOQAN, Howick Station. Que. ('Phone in house.) 16-11

"LES CHENAUX FARMS"

VAUDREUIL, QUE.
HOLSTEINS-Winners-in the ring and
t the pail. Gold Medal herd at Ottawa

air. They combine Conformation and Produc on. Bull and Heifer Calves from our winners

R. HARWOOD, Prop. D. BODER, M. E-o-w-18-6-11

COMMERCIAL AYRSHIRES

Five yearling bulls fit to head any company. Two 1911 Bull Calves at your own price for quick sale, as I am short unilk. Everything descended from R.O.P. Cows. Satisfaction guaranteed.

JAMES BEGG, R. R. No. 1, St. Thomas, Ont.

AYRSHIRES

World's Champion herd of Ayrshires for milk and production. A few bulls from R.O.P. cows for sale at present. Call or

Tang'ewyld Farm
WOODDISSE BROS., - ROTHSAY, ONT.

THE SPRINGBANK HERD OF AYRSHIRES Contain more World's Champion milk and butter producers than any other herd in America. Four choice buil calves for sale out of large teated heavy producing dams. Address:

A. S. TURNER & SON
Ryckman's Corners, Ont.

Miles south of Hamilton.

CHOICE AYRSHIRES Are Bred at "OHERRY BANK"

A few young bull calves for sale. Write for prices.
P. D. McARTHUR, North Georgetown, Howick Station on G. T. Ry.

TAMWORTHS AND SHORT HORNS FOR SALE Several choice young flows sired by Imp.
Boar, dams by Colwill's Choice, Canada's
Boar, dams by Colwill's Choice, Canada's
Bred to young stock hop. Also a few matured sows. A few very choice yearling
and two year old Shorthorn heiters. First
class family. Excellent milking strain.
Prices right.

A & OOLWILL, Box S, Newcastle, Ont

HOLSTEIN BREEDERS ENTHUSE

HOLSTEIN BREEDERS ENTHUSE
Some fifty evithesiastic Holstein breeders and down to the first annual
banquet of the Relievile District Holstein
breed to the relieving the street Holstein
Ard in Belleville. Breeders were present
from the counties of Prince Edward.
Sorthumberland, Peterbrow, Hastings and
sorthumberland, Peterbrow, Hastings and
by the President, Mr. A. D. Foster of
Bloomfield. The secretary-treasurer, Mr.
Bloomfield. The secretary-treasurer, Mr.
bloomfield. The secretary-treasurer, Mr.
bloomfield. The secretary-treasurer, Mr.
bloomfield. Wr. Mallory was just breaking the best previous record in the Canheafer owned by Mr. E. B. Mallory had
established a new seven day record for
the evening. It meant that the two highset record coves in the Canadian Record of
the evening. It meant that the two highset record coves in the Canadian Record of
the evening. It meant that the two
to be of milk in one day, and an average
to be of milk in one day, and an average
to the district Mr. Mallory's helfer gave
to the second of the evening was the admittance by
several of those present that they had
had given them up in favor of the Holstein. These submissions came mostly
from former Shorthorn Breeders.

Which provides the second of the

Anent Illustrations

With this issue of Farm and Dairy we present to our readers an Illustrated Section. This supplement is published at great expense; greater expense than any of our readers would believe to be possible.

The breeders who thus place specimens of their stock before you bear a part of this expense. They appreciate the great value of advertising. They great value of advertising. They know the value of placing specimens of what they have for sale before you in this attractive manner. They know that if you are interested in the class of stock they keep you will preserve these pictures, and keep them for reference purposes, and that you will write to them for stock you will a to be.

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great farming masses appreciate them, they study them;
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likely that the members of the Club will be the property of the weekly sun; John Elliott, Manager of the weekly sun; John Charles, Manager of the weekly sun; John Charles, Manager of the weekly sun; John Charles, and Juneau of Fort Hope; John Charles, St. W. Manager of the weekly sun; Manager of the weekly sun;

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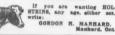
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