

NUMBER 13

# RURATATOME

PETERBORO, ONT.

MARCH 30.



PICTURESQUE-BUT, OH! HOW WASTEFUL!

We venture the assertion that a Farm and Dairy reader who would advecate this old-time method of producing maple syrup, good as it was in its time, cannot be found to-day. The method is utterly antiquated, wasterul, and quite unsuited to our times. We do not countenance it now. But in other branches of farm work too many of us strenely wasterul and are quite incapable of giving the maximum profitable returnion. The branching fast working machinery, orops and the varieties of these crops we grow, the live stock we, keep and our general immune support.—these may be as out-of-date as is the subject of our picture. Wouldn't it be a good thing if each one of us would itop short now and do some real hard thinking about these things; then branch off into the progressive road and

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and the first services.

# A BUMPER CROP

The Western farmer looks to his wheat fields for his harvest. The dairy farmer depends largely on the product of his dairy. A great deal of the dairy farmer's

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success depends on the make of Cream Separator he uses. The up-to-date dairy farmer will use none but the best. Are you up-to-date?

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#### Farmers' Share of Consumers' last the products are started on the Prices

High prices receive considerable attention in the 1910 report of the Secretary of Agriculture for the Secretary of Agriculture for the United States James Wilson. In the farmer's aspect of the matter he United States James Wilson. In the farmer's aspect of the matter he receives various percentages of the receives various percentages of the receives various percentages of the reconsumer's prices for farm products. In the case of milk, in 78 cities distributed throughout the United States where the subject was investified to the consumer. The product is a scant 50 per cent, or one-half the price paid by the consumer. The price is received mostly between perice is received mostly by the product of the consumer. The milk wagon of the retailer has a long route. It stops at a house or two in one city block, perhapp passes several blocks without stopping, and so proceeds to serve customers thinly distributed along a count of miles. At the same time the milk wagons of other retailers are route, and so there is a great waste of the consumer of the retailers are route, and so there is a great waste of the consumer of the retailers of the consumer of the retailers of th

The farmer receives hardly more the farmer receives hardly more than half of the consumer's price in the case of poultry; 69 per cent. in the case of eggs; cabbage 48 per

than half of the consumer's price in the case of outry; 69 per cent. in the case of outry; 98 per cent. in the case of outry; 98 per cent. in the case of outry; 98 per cent. when bought by the head and 65 per cent. when bought by the bound.

The per cent. when bought by the bounds of the consumer's price when the purchase by the case of consumer's price when the purchase by the quart and price in purchases by the quart and price in purchases by the quart and price in purchase by the case of consumer that the price in purchase by the case of consumer that the price in purchase by the case of consumer that the price in purchase by the case of consumer that the price in purchase is the price, whereas, when the purchase is the purchase is the price, whereas, when the purchase is the price, whereas, when the purchase is the purchase is the purchase is the purchase in the purchase in the purchase is the purchase in the purchase in the purchase is the purchase the purchase in the purchase in the purchase in the purchase is the purchase the purchase in the purchase i

or the farmer's share of the consumer's price.

Among the many other products represented in the list are oats, with 74 per cent. of the consumer's price going to the farmer when bought by the bushel melons. 60 per cent. when bought by the pound; parsnips, 60 per cent. when bought by the bunch; petates, 59 per cent. when bought by the bunch; petates, 59 per cent. when bought by the bunch; petates, 59 per cent. snips, 60 per cent. when bought by the bunch; pctctaces, 59 per cent. when bought by the bushel; string beans, 80 per cent. when bought by the barrel; turnips, 60 per cent. in purchases by the bunch; water-melons, 34 per cent. when bought singly.

UNGROUNDED COMPLAINTS AGAINST THE FARMER

After presenting many details with Arter presenting many details with regard to the increase of prices on farm products between farmer and consumer, the Secretary of Agriculture declares that "the conclusion inevitable that the consumer has no well-consumed complaint, against the nevisable that the consumer has no well-grounded complaint against the farmer for the prices that he pays. The farmer supplies the capital for production and takes the risk of his production and takes the risk of his losses: his crops are at the mercy of fought, and flood and heat, and frood and heat, and flood and heat and highting diseases. He supplies hard, exacting, unremitting labels hard, exacting, unremitting labels hard, exacting, unremitting hard, and intelligence are demanded by agriculture which are hardly equal to an intelligence and the flood hardly equal to the hardly equal to her is the risk of overproduction. Then there is the risk of overproduction. The there is the risk of overproduction. The beginning to expend the farmer must seer dexterously to exact the second hardly and the farmer must seer dexterously to exact the second hardly and the farmer must for the flood hardly and the farmer must for the flood hardly and t last the products are started on theway to the consumer. The railroadgenerally speaking, adds a percentagof increase to the farmer's prices
that is not large. After delivery bethat short time, are measured into the
various retail quantities, more class small, and the dealers are riadeliver have risks that are practiodelers have risks that are practiodelers have risks that are practically small, except credit sales, ancally small

ing to do an amount or numers, which is small as compared with their number."

In continuation of this subject, the secretary of Agriculture sugge, if secretary is supported to the problem of high prices it that the consumer of the problem of the products in the simple way has already begun in England where cooperative organizations of farmers are selling to read the sum of farmers are selling associations are numerous in this country, but cooperative buying associations are numerous in this country, but cooperative buying associations are numerous in this country, it is apparent, the sum of the second of the second sum of the second sum

Progress Noted in Old Ontario Frogress Noted in Utd Untario
Editor, Farm and Dairy.—A trip
taken recently down through the oldor settled sections of the Province of
Ontario has been quite an education
to me About four years ago I passed
through a section of Leeds County on
a trip to gurchase some surges. On through a section of Leeds County on a trip to purchase some norses. On my recent trip, I was much impressed with the improved methods of farming that far being followed. The soil is being tilled much more intelligently and especially is there to be seen a much higher class of dairy stock on the farms.

To my survive a great many of

To my surprise a great many of the farmers could tell me exactly what the farmers could tell me exactly what each cow gave during the past year and the young men were deeply interested in the running of the farms and Gairies. "Farm and Dairy," is the text book in a great many homes and is very highly spoken of. The responsibility of editing a paper like Farm and Dairy is very like and in the paper is doing morthan anything else to keep the young men on the farm and at the same time guide them in their methods of farming.

One man of considerable influence in the community (Wm. Weester) said that he valued Farm and Dairy said that he valued Farm and Dairy very highly and that the only objec-tion he had to the journal was the he had an idea that the paper sided with the upper rather than the pro-ducer in the matter of the cheese in-

He distry.

Another man (Eglert Herberson)

is aid that he had taken another farm before for years, but after he had before are taken another farm and Dairy for a time decided that he would drop the verber level. The second of the form of the second of t

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No. 12

Vol. XXX.

FOR WEEK ENDING MARCH 30, 1911.

#### A PROFITABLE AND INTERESTING EXPERIENCE WITH SHEEP

T. Baker, Durham Co., Ont.

Sheep Should Have a Place on Most Every Farm and are as Profitable—Even Without the Wool Consider-ation— as Other Farm Animals. Not One Sheep in Ontario Where We Should Have 20. Some Merits of Sheep Discussed by one of the Prize Farmers in Durham County.

T is incomprehensible to the writer that so few flocks of sheep are kept by the farmers of Ontario; it is a calamity that flocks have been decreasing the way they have during the last few years. Sheep require little attention; they thrive on inexpensive food and they return two crops in a year,-wool and lambs. It is an established fact that sheep are the greatest exterminators of injurious weeds of any of the farm animals. Authorities assert that sheep will eat 90 per cent. of the foul weeds common on Ontario farms.

The prevailing objection with many as to their reason for not keeping sheep is, dogs and the low price of wool. I believe there is profit in keeping a good flock of sheep if they are cared for as other stock are, even if wool is

not considered. A good dog is useful, but it is the useless cur that is the bane of the sheep industry. Many dogs of this class are kept by people who have no use for a dcg but to be a nuisance to their owners and to be a calamitous curse to the sheep breeders of the country.

There are thousands of acres of hilly land in this country, land that has been worked to death and at no profit that should be stocked with sheep.

My experience with sheep goes away back to 1863, when I was eight years cld and I had saved up the fabulous sum (to me at that time) of \$2.50. which I invested in a ewe lamb. I entered into a partnership with my father at the time; I was to have the wool and he was to have the lambs. The American Civil War closed soon after my venture and wool sold as high as 54 cents a lb. Although it is nearly 50 years ago I can remember the looks of my first sheep better than any I have ever owned since and I have cwned many hundreds of sheep. I can also remember the first fleece of

my wool that was sold. I can also remember the bills and the silver amounting to the magnificent sum of \$4.60. I have handled considerable money and made many sales but I felt richer and prouder over that first sale of wool than over any sale or money I have made cr-received since.

Since my first profitable venture I have had through all these years an interest in sheep; and I believe I have had as much profit with as little labor and outlay from sheep as any branch of the live stock industry I have been engaged in. I had been keeping practically a pure bred unregistered breed of sheep. Over 20 years ago I sold them and bought some registered ewes of a breed that was attracting the attention of the "Americans," as they style themselves. Now for over 20 years, with the exception of one, I have been selling lambs and sheep to go across the lines for breeding purposes and making these sales at profitable prices to me; although I have never fitted a sheep for show purposes in my life.

I keep 18 or 20 breeding ewes and use a good sire. The ewes are fed two bushels of pulped turnips a day and pea straw or clover chaff until about a menth before lambing when they receive about one pound of oats a head per day. After lambing they get clover hay, oats, bran and what roots they require. For pasture they go on the roads and have access to a small field with shade. About the first of August I wean the lambs and put them on clover or rape until winter. Then I feed the lambs liberally clover hay,



The Sheep and the Dog

These two as they appear in this illustration live happily together. But in several, however, it is well known that the dog has come out on ton ton and has practically been responsible for the great dearth of sheep that who still raise them are not backward things in their favor, and those who still raise them are not backward things in their favor, and those making characteristics. It would be a good thing for Ontario if, as Mr laker says in the adjoining article, we had 20 sheep where to-day we have but one!

roots, some oats, bran or cil cake,-a little does them.

After the lambs are weaned I give the ewes the run of the oat stubble or hay field, anywhere that I want weeds devoured, but I get them thriving before being mated.

Now Mr. Editor, you wanted to know my profits from keeping sheep, that is a delicate question to go into. I usually raise over 20 lambs, sometimes I seldom sell a lamb as low as \$10, many I sell for more and I sell shearlings at about \$15 and some even higher. I also buy some pure bred lambs, put them on rape and make a good profit on them. I also semetimes buy grade lambs when they are cheap, put them on rape, derive a profit on their gain and two or three cents a

pound more than they cost by holding them until the rush is over. I have said many times that the money I make from sheep is about the easiest money I get, and I know it is.

There has been tons of literature distributed broadcast and advice galore given out on the merits of the dairy cow and bacon hog. That is right. I have no fault to find with it. But the merits of sheep have received little attention from any source. To-day there is an effort being made by the government and by the agricultural press to induce more farmers to engage in sheep breeding; the effort is a worthy one. There should be a flock of sheep on every farm in the province. A dearth of sheep is one of the very weak spots on the majority of farms of Ontario to-day. It should be the aim of every farmer to increase the yield from every acre of his farm; more sheep will conduce to that worthy aspiration

By keeping a flock of sheep, growing some rape, a little more clover and roots and less acres in grain crops it will tend in a few years to decrease the weeds with which we are now cursed and it

will increase the yield of crops per acre so that in a few years we can grow as much grain as formerly on fewer acres and have cleaner farms. There is easily room for 20 sheep in Ontario where there is one to-day. Now Mr. Editor, if you through Farm and Dairy can induce more farmers to engage in sheep breeding you will deserve the highest praise.

#### Horse Pointers

Feed in proportion to the work to be done. It is mistaken kindness to overfeed an idle horse.

Keep the horse's stalls dry and clean. Wet, dirty footing in the stalls is the most prolific cause of thrush

Are you feeding the colts well? Good feed is very important during the colt's first winter. Most of the scrubby undersized colts that we see running around the barnyard in the spring would be worth \$50 more had they been fed well during the winter

A bran mash with a handful or two of salt in it given two or three times a week is a good regulator for working

While tarley is not popular as feed for horses in America, it is fed exclusively by the Arabs. Fed in moderate quantities, barley is a perfectly safe feed for horses and boiled barley takes the place of a bran mash.

At least one half of the oat ration of the farm horse could be profitably replaced by corn. Horses fed on a corn ration may not be so lively as those fed entirely on oats but they are just as efficient workers and the ration is cheaper.

While cement makes the best flooring for the horse stable, the floors of the stalls should be of boards. Cement under the horse's feet acts in exactly the same way as the pavements in the city streets; also the horses require to be shod more frequently.

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Prof. C. A. Zavitz, O.A.C., Guelph There were 168,454 acres of potatoes in On-

Tario in 1910. The average yield of potatoes in Ontario in 1910. The average yield of potatoes per acre according to the Bureau of Industries for Ontario was 120 bushels in 1910, 145 bushels in 1909 and 116 bushels is the average of the last 29 years.

Inquiry was made in 1910 of the various experimenters regarding the most extensively grown varieties of potatoes in the various counties of Ontario. In all, 51 varieties were mentioned one cr more times as being the most extensively grown in the different localities. The following list gives the names and the order of the varieties which were mentioned the greatest number of times: 1, Rural New Yorker, No. 2; 2, Empire State; 3, Beauty of Hebron; 4, White Elephant; 5, Early Rose; 6, Irish Colbler; 7, Delaware; 8, American Wonder; 9, Carman No. 1; 10, Green Mountain; 11, Early Ohio; 12, Gem cf Aroostock. Some mentioned Carman No. 1, others Carman No. 3, and others simply Carman so that it was very difficult to make a determination as to the extent to which each of these Carmans were grown in comparison with other varieties. From inquiries made in each of the past four years the Rural New Yorker No. 2 was mentioned first and the Empire State second each year, as being the varieties which are the most extensively grown throughout the province. We wish to urge again the importance of the farmers selecting a few of the very best varieties of potatoes and confining their attention to these almost exclusively as their general crop potatoes so that good results in regard to yield, quality and prices may be obtained

RESULTS OF EXPERIMENTAL WORK

In the spring of 1910 the Experimental Union distributed two varieties of late, two varieties of medium ripening and four varieties of early petatoes for experimental purposes. Only two varieties were sent to each experimenter but in each group of potatoes one variety was distributed throughout and used as a basis of comparison in summarizing the results. A very large number of applications were received in the apring of the year and many valuable reports of successfully conducted experiments were obtained. The following table gives the average results of the cooperative experiments with the varieties of potatoes conducted on about 300 Ontario farms in 1910.

Varieties  Late Varieties (50 tests)	Com- par- ative value	Per cent of small tubers	when	ofwhole
Dempsev's Seedling Medium Varieties (71 tests)	88	11 11	100 88	172.7 168.0
Rose of the North	90	9 12	100 85	182,5 176,1
Extra Early Eureka Early Dawn Early Fortune Early Andes	89	8 11 11	97 100 97	174.0 166.9 166.4

The average results of the ecoperative experiments throughout Ontario show that the Empire State surpassed the Dempsey's Seedling by nearly five bushels per acre. The Empire State was pronunced by the experimenters to be excellent in mealiness and was more popular than Dempsey's Seedling when everything was taken into consideration. The Empire State is a large white, smooth, oval shaped potato which yields well and is of good table quality and sells well in our markets.

A GOOD MEDIUM EARLY POTATO

Of the medium ripening varieties of potatoes the Burpee's Extra Early has headed the list in the cooperative experiments throughout Ontario in each of the past four years. Not only has it given the greatest yield per acre but it has also been the most popular with the experimenters in each of these years.

The Extra Early Eureka has been distributed in connection with the cooperative experiments

in each of the past four years. It stood second in the lists in yield per acre of the early varieties in 1908 and the highest in the list in this respect in 1907, 1909 and again in 1910. It will be seen that in the results of experiments for last year it surpassed the Early Dawn by fully seven bushels per acre. The Early Eureka potatoes are large, white, very smooth, and comparatively round. The Early Fortune variety has occupied third place in yield per acre in the cooperative experiments with four variettes for four years in succession. The Early Ohic variety was used in the cooperative experiments in 1909, but as it came at the bottom of the list in yield, in meal-

iness and in comparative value, it was dropped from the cooperative experiments in 1910.

Taking the results of the cooperative experiments both for this year and for other years into consideration, we wish to draw attention particularly to the most excellent results which have been obtained from the Empire State of the late, the Burpee's Extra Early of the medium, and the Extra Early Eureka of the early varieties. A reference to the report for 1909 will show a similar statement made in that year. Our experience, therefore, during 1910 bears out very closely the experience of the previous years in regard to these three varieties of potatoes.

#### THE EIGHTH PRIZE FARM IN THE PROVINCE OF ONTARIO

#### Mr. J. A. Anderson's Farm Described by W. F. Stephen, who, along with Mr. Simpson Rennie, Placed the Awards in the Second Year of the Dairy Farm Competition Conducted by Farm and Dairy

R. J. A. Anderson's farm of 180 acres is perhaps, from a scenic point of view, the most favorably situated of any of the most favorably situated of any of the farms that were entered in the competition. A stone's throw from the comfortable residence of Mr. Anderson flows the majestic St. Lawrence, carrying the products of a continent eastward to the great metropolis of our Dominion, there to be distributed and carried to the cities beyond the sea, where many Canadian farm products become the foodstuffs of their peoples. river at this place narrows down between high banks until its waters tumble and leap over the rocky river bottom, defying the efforts of steam and electric power to stem the strong current of the Long Sault Rapids, which have to be overcome by a canal. Going eastward the vessels glide through its angry foaming waters as majestically as on placid Lake St. Francis a few miles below, but woe be to the steamer whose pilot digresses ever so little from the channel or whose rudder fails to respond to the helm. Near Mr. Anderson's place is the scene of the great project of harnessing the water of this majestic river to develop power to use in operating the machinery of mills and factories yet to be built, to operate electric reads, and light vilages, towns, and cities yet in embryo.

Mr. Anderson is a young man, and has lately started for himself. He is ably assisted by his amiable wife, who is interested in every department of the farm. The cash book is under her supervision, and is neatly and accurately kept.

Although this young couple have only had possession of this farm a few years, there are evidences of much improvement, in home, steading, and field. The house has been renovated and made up-to-date and attractive. A spacious lawn fronts the residence. On it flowers and shrubbery are tastefully arranged, and go to beautify the home. Inside, the home is quite complete with a good assortment of books and looked.

The outbuildings we found in good condition and suitable for the needs of the farm. Nearly all were neatly painted a pale slate color with white trimmings. The piggery, 30 by 30, is divided into five pens. Here we noticed a steam cooker, and Mr. Anderson considered that it paid to steam roots and heavy foods when fattenings hogs. There was also on this farm a good hennery and implement shed, and a complete outfit of tools and implements. The barn and stable is under one roof, 120 by 60 feet, and is conveniently aranged.

The cow stable is in a lean-to, 20 feet wide, running the complete length of the barn, and accommodates 40 head in a single row. There are also three box stalls for cattle. The floor is cf concrete. The cattle are tied with chains; the cows may drink at will, the water coming

into a trough at their heads supplied from an overhead tank into which the water is pumped by horse power. A one horse tread power is made to pump, operate the separator, pulper, cutter, and grindstone. A manure carrier takes the droppings to the manure shed, where it is loaded directly to a wagon or sleigh and hauled directly to the field. Three ventilators of good size take the frul air from the stable; the fresh air comes in at windows and doors.

25 TO 30 COWS MILKED

The chief production of the farm is milk, which is shipped either to the city or supplied to the cheesery. Heretofere Mr. Anderson has not raised much young stock, but is now devoting some attention to that line. Ayrshires and their grades predominate. From 25 to 30 cows are milked during the year. In 1909 the cows averaged \$15.50 each, from the cheesery.

Four to six brood sows are kept and a number of hogs are fed off each year. At the time of our visit, we found 36 head of cattle, 13 hogs, and a large lot of poultry, including a fine lot or turkeys.

Milk being the chief production, the silo and corn ercp was in evidence, and a fine crop the corn was, but somewhat uneven in places. Seventyeight acres was in hay, 20 in oats, two in barley, nine in wheat, 14 in corn, two in roots, one in orchard, and the balance in pasture. There is much fine land and of clay loam formation in the front of the farm. The back part, however, contains some rolling land, which is somewhat stony. Mr. Anderson has been making improvements in removing stone piles and so forth, and in all probability we will see a marked improvement in this regard within the next few years. Weeds have been allowed liberty in the past, but Mr. Anderson is waging war on these pests and is meeting with a large measure of success.

Mr. Anderson and his helpmate have a few obstacles to overcome before perfection is reached We commend them for what they have already accomplished, and we trust their efforts will be observed by others in that community, and be an incentive to the young men to go and do likewise.—W. F. S.

The dairy farms competition that has been conducted during the past two years by Farm and Dairy has done more to promote the dairy interests of the province than any one can realize.

—Bert. Bullard, Leeds Co., Ont.

I will not say that alfalfa will not grow if seeded with another crop but I de not like to take chances. Planting without a nurse crop is, in my opinion, the safest way. If you only lose five per cent. of your catch from having a nurse crop, the total value of the loss in all the years in which the alfalfa is harvested will be greater than the value of the nurse crop.—Anson Groh, Waterloo Co., Ont.

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#### Alfalfa as a Rotation Crop

Geo. Marsh, Peterboro Co., Ont.

Red clover has been the basis on which we Canadians have built our system of crop rotation. It has fulfilled well the trust reposed in it, and it is not to be expected that we will readily change from red clover and make alfalfa the basis of crop rotation. Alfalfa is, however, rapidly taking the place of red clover in crop rotation with many progressive farmers in the United States. It bids fair to do the same in Canada.

United States farmers have found that alfalfa is invaluable as a rotation crop. They have proved that there is nothing, which the red clover will do for the land, or for the stock,, but that alfalfa will do as well and in many considerations, much better. Alfalfa by virtue of its long tap roots, goes down deeply into the hard subsoil, loosening it up better than a subsoil plow could do; it brings up more of the mineral matter from the subsoil than is possible for red clover to do. Repeated experiment has shown that a crop of alfalfa will leave in the soil available for the following crop more of the expensive-to-buy nitrogen, but obtained from the atmosphere for nothing, than will red clover. Then we must not forget that alfalfa will yield an amount of forage more than double what will be obtained from red clover, which forage will have double the feeding value of red clover, since it contains more than double the amount of protein.

A ROTATION FOR ALFALFA

When alfalfa is grown in a rotation it had better be left at least three years. It should be followed with corn or a root crop, then barley or oats, seeded again to alfalfa. Joe Wing, who has probably done more than any other man east of the Mississippi for the alfalfa crop, says that his rotation is one year corn, one year barley or oats, and 14 years alfalfa. This would seem to be extreme, and although alfalfa will last under favorable conditions for many years, the greatest benefit will be derived from it when the field is plowed at intervals of not longer than four years, following it with corn, then oats or barley seeded with alfalfa.

The Pennsylvania State College has purchased a farm of 96 acres, which is to be managed wholly with the view of obtaining accurate information and figures as to the money value of alfalfa in crop rotation, in comparison with red clover. The farm has been divided into two equal parts, one half is laid out in plots of eight acres each and on these plots the ordinary rotation as practised by the farmers of the district (which is corn, wheat, oats or barley seeded to clover and timothy left for three years) will be followed. The other half of the farm is given over to an alfalfa rotation of corn, barley seeded to alfalfa,-the alfalfa to be cut for hay four years. Careful account of the labor tost of both rotations will be kept, and also the returns. While some interesting information will be obtained on many different phases of this question a most important benefit looked for in the alfalfa rotation will be the improved fertility of the soil that will come about through alfalfa having been grown thereon.

#### IN SHORT ROTATION

Alfalfa can be grown in a much shorter rotation if desired. A four year rotation of corn or roots, then barley or oats, followed by alfalfa for two years, will probably build up a run-down farm more rapidly than will any other rotation; besides there will be produced a good crop of corn and more satisfactory yields of grain than when red

clover is used. It is little short of wonderful how well alfalfa This article is the second of the series written especially form and Dairy readers by Mr. Marsh, an alfalfa expert with a series of the series of articles we can furnish copies for last week as long and get him to subsertibe of meighbor about these articles and get him to subsertibe of meighbor about these articles and get him to subsertibe or meighbor about these articles contains from week to week.

will thrive and produce abundantly on rough, stoney, gravelly land and hillsides, where our ordinary crops will scarcely pay for seed and labor expended in growing them. On soils of this nature it would not be wise to attempt any rotation other than is absolutely necessary in seeding to obtain a good stand. Once alfalfa has been established in such soils it had better not be disturbed so long as satisfactory yields are produced.

Alfalfa has now passed the stage of mere experiment either as a permanent crop or in various rotations. It is a success. Now every farmer, who grows hay or forage crops for feed, is losing much by not growing alfalfa. It will do for the farm anything and mu a more than will red clover, therefore we cannot afford not to grow it. We ought to grow alfalfa, at least experimentally in plots of not less than three or four acres so as to give it a thorough test.

#### OVERCOME EARLY FAILURES

It is important that we be not easily discouraged with alfalfa. Our first attempt may end in failure. Many of our most successful alfalfa growers to-day are men who have experienced difficulty and discouragement in getting their first good stands of this crop. By persevering with it, however, they won.

On no account would I seed land with alfalfa without first inoculating it with suitable bacteria. This may be secured from the Ontario Agricultural Department, Guelph, in the form of nitroculture, at a cost of 25 cents for one bushel of seed, or two bags of soil per acre from an old successful alfalfa field scattered over the new seeding, will be sure to prove successful. Without inoculation I would as leave not sow alfalfa at all and the seed might almost as well be dumped into the river as be sown on land wherein the suitable bacteria have not been planted.

Take these precautions last mentioned, sow 20 lbs. of good seed to the acre, sow it (if for the first time) on high dry land, if it requires lime apply one ton of lime per acre, work the field well, manure it, and you will be certain of a good stand of alfalfa. Whether you grow alfalfa in rotation or as a permanent crop be certain that it will prove satisfactory to you. Alfalfa is a crop you will most certainly grow some day. Why not start this spring and seed out at least a reasonable acreage to alfalfa?

#### Management of the Pregnant Mare

A. S. Alexander, V.S., Wisconsin.

The mare in foal should be worked lightly or abundantly exercised every day. Exercise is absolutely necessary. She should occupy a roomy box stall. Here she will take some additional exercise and will not be afraid to lie down. She will be less likely to become "cast" and escape having "stocked" legs and dropsical swellings of the udder and abdomen. The bedding should be kept clean and dry.

Feed the mare sound, whole oats, tran, and mixed or timothy hay. Avoid mouldy hay or silage, damaged grain, woody, weathered fodder. dusty or rusty straw, or hay containing ergot. Keep pregnant mares out of corn stalk fields. Provide them with plenty of pure, clean water. In working mares, avoid jerking, severe pulling, wading through deep mud, manure piles or snow drifts. Let the work be light, easy and steady. Keep the bowels active by feeding bran and a little flaxseed meal, carrots, or some sweet silage.

The mare goes 48 weeks, or about 340 days. with foal. As foaling time approaches decrease the grain ration and increase laxative foods to keep the bowels acting freely. Constipation is dangerous. When wax forms on the tests, about three days before foaling, stop working the mare and place her in a prepared box stall where she can be watched until the foal is born.

#### Keep up the Price of Cheese R. F. Hicks, York Co., Ont.

The present condition of the cheese making industry gives food for serious reflection to all who are attached to that important branch of dairying. The price of good dairy cows is easily 25 per cent. higher than at any previous time. Coupled with this is the discouraging fact that the price of cheese has been considerably lower the past season than has prevailed for years. Reports indicate that 75 to 80 cents a cwt. is the net price to the producer for the milk that has been manufactured into cheese in 1910.

Under ordinary conditions supply and demand govern largely the value of any commodity. If the supply of cheese has been materially increased during the past season, which has probably been the case, the natural consequence has resulted-a reduction in price. This is discouraging since there has not been a corresponding reduction in the cost of production. The value of feed and labor have not been any lower than during the previous year or two.

#### INCREASED CONSUMPTION

The high level of prices of nearly all foodstuffs prevailing at present should stimulate the consumption of cheese as that article of food can be substituted to a considerable extent for beef, bacon, eggs, butter, and fowl, all of which are abnormally high in price. This feature will exert a considerable influence en cheese values. If, in addition to this, some reductin in the output for this coming season could be combined with increased consumption, higher values for cheese would be the inevitable result.

It does not require an abnormal increase or decrease in production to set in motion important influences for either higher or lower prices. When production decreases the middleman throws his influence on the side of the producer and assists in advancing the price by purchasing largely for investment, or in other words anticipating his future requirements. On the other hand, when the supply seems to be in excess of the demand the same dealer withholds his support, preferring to purchase in more limited quantities on account of the larger supply being available. He draws upon this supply as his needs dictate. The result is a depression in values.

#### USE MILK IN OTHER WAYS

We have reasonable hope of increase in consumption for reasons already assigned. Could we couple with this some reduction in the output of the coming season values ought to adjust themselves more in favor of the producer. we could make use of 15 or 20 per cent. of the milk ordinarily destined for the cheese factory in some other way, it would be interesting to watch results. There is always butter making to fall back on, and at the present time, if well managed, that branch of dairying will give better results than cheese making-especially when full advantage is taken of the opportunities of increasing the revenue by good management in feeding the skim milk. The high price of pork makes the skim milk a rather valuable asset.

There is of necessity an increase of labor involved when butter making is resorted to, and as it is very desirate to reduce the labor in all farm operations, I shall try to outline a plan that might suit the needs of a number of dairymen located in cheese factory districts who deare to maintain a dairy herd with a minimum amount of labor without reducing the proceeds therefrom

There is usually an unsatisfied demand for a good quality of veal and at satisfactory prices. My plan, therefore, is that a percentage of the dairymen in cheese factory districts turn their attention to the production of good veal calves, and combine with this the raising of a supply

(Continued on page 12)

See The Price For Our "Gold" Brand

# ALFALFA

#### KEITH'S SEEDS

immediate orders: (Satisfaction Guarante	ed /
CLOVERS	1
Per Bus., bags 25c.	
Red "Sun" No. 1 *G.S\$10.00	
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TIMOTHY AND GRASSES	White
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*G.S.—Government Standard	Cana
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FERTILIZERS Por 225	EMMI
Per ton lbs.	
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ed are FO.B.	Toronto.	Here's	prices for
	BUCKW	HEAT	
		Dulan	per bush
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Mandscheu	ri		85
Duckbill			1.10
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Lincoln			80
White Clus	ster		80
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# FARM MANAGEMENT

Alfalfa is Valuable for Pigs

In some pig feeding experiments at the Maryland Agricultural Experiment Station, alfalfa is credited with re-markable feeding value. The report of these experiments, which Farm and Dairy received last week, credits al-falfa hay with making a saving in the cost of feeding of nearly \$2 for 100 lbs. of gain of live weight of the pigs (\$1.94 to be exact.)

(84.94 to be exact.)
This saving was made when alfalfa hay (short cut) was charged at the rate of \$25 per ton, the same as for the grain used. The ration, which included alfalfa hay was as follows: Shelled corn, 5 lbs.; middlings, 4 lbs.; alfalfa hay, one pound. The ration for the day of the same properties of the same properties of the same properties. The ratio for the same properties of the same properties of the same properties of the same properties.

the other lot where alfalfa hay was not used, was: Shelled corn, 5 lbs., mid-dlings, 5 lbs. Furthermore, it should be noted that two of the pigs in the lot, which did not get alfalfa, became lame and did not eat well. The lameness was due to a general stiffness of the muscles and not to accident, and as none of the pigs receiving alfalfa in the ration were so affected, the two sick pigs were rejected from the lot and the experiment continued.

A Warning to Seed Buyers

Editor, Farm and Dairy,-Permit me to intimate to your farmer readers that in order to abridge the danger of the partial failure of their mangel and beet crops, they will this year need to be particularly careful to ascertain the per cent, of seed balls capable of

the per cent, of seed balls capable of producing sprouts and to adjust their seeders accordingly.

Because of the climatic conditions in 1600 and 1910 in those European countr's from which we obtain our mangel and beet seeds, practically all the available supply this year is low in percentage vitality. Our Canadian seed merchants have been doing what they could to procure seed that would conform with the provisions of the Seed Control Act, which fixes a stan-dard of 90 per cent, of the balls, and dard of 90 per cent, of the balls, and 100 sprouts from 100 seed balls (what is commonly known as mangel seed is really a fruit containing from three to six small seeds), and the law is that when the percentage vitality falls below two-thirds of this standard for scood mangel seed, then the seed must be labelled, showing the actual percentage of balls and of sprouts capable contained from the seed. All the seed inspected to the the percentage of balls and of sprouts capable has the seed inspected to the seed inspected has been seed inspected by the seed inspected has been seed inspected by the seed inspected have been notified to pay particular attention to the quality of the mangel seed exposed for sale; but the information and punishments to seed merchants resulting therefrom will not pro-tect users of mangel seed this year. There is no need for any farmer to

reduce the area intended for planting to mangels and he will suffer no danger from crop failure providing that he will take the trouble to determine the percentage of seed balls capable of germinating and increase the amount of seed per acre accordingly. In most cases it will be found that at least one-

FARM MANAGEMENT half more mangel seed than usual will have to be sown this year to see the second that the sec have to be sown this year to secure a reasonably good stand of plants. Farmers should give the preference to mangel seeds put up by reliable firms. and not hesitate to procure seed of their favorite varieties from bags of packages on which the percentage of vitality is branded, even though the percentage would seem to be rather low.—George H. Clark, Seed Commissions. sioner.

#### Two Brothers Will Sow Alfalfa

ate farms some seven miles north of Peterboro, while in the office of Farm and Dairy on Saturday last, informed our editors that they were going in extensively for alfalfa this year. Mr. Gordon Mana purchased \$40 worth of alfalfa seed, which they will sow this spring. ow this spring.
Mr. Gordon Mann has had consider-

Mr. Gordon Mann has had consider able experience with aifalfa on his own farm and has obtained from it own farm and has obtained from it some remarkable results and believes it to be a great feed for dairy cows. His brother Joe, last year seeded four acres of alfalfa on his fahrer's farm, sowing it along with oats. At harvest time the '.falfa was up is inches in the butts of the sheaves. Later on in the fall they cut two big loads of al-

the butts of the sheaves. Later on in the fall they cut two big loads of al-falfa hay from that field. Mr. Gordon Mann, who already has seven acres of alfalfa, stated that he wished it were 50 acres; he is aimig to have 50 acres of alfalfa some day.

#### Sow Alfalfa This Spring

The belief is general that alfalfa is a hard crop to grow, requiring special care and culture, and as the seed is dear it has been fought shy of. "Two years ago," says Vim, writing to the Weekly Sun, "I broke away from thesprejudices and sowed a plot of alfalfa, no acre in a field being control of the seed one acre, in a field being sown to red clover. Insructions were to sow 20 lbs. one acre, in a field being sown to red clover. Instructions were to sow 20 lbs. of seed per acre, using one bushel of barley for a nurse crop. Instead of 20 lbs., I thought 15 lbs., good planting. This was a mistake, for although I got a good crop, 20 lbs. would have given a better stand.

"I sowed a small load of land plas-Towed a small load of land plaster per acre at the time of seeding. This I believe greatly benefited both the barley and the alfalfa. At harvest time much of the alfalfa was up to the bands in the sheaves. The duration of the land was the same of bands in the sheaves. The duration of stand gives alfalfa great value, for if it lasts 10 years, and as it gives two If it tasts 10 years, and as it gives two
or three cuttings a year, a vast amount
of feed may be obtained at small cost.
I strongly recommend every farmer to
sow a plot this spring."

The Minister of Agriculture has withdrawn his proposed bill for the inwithdrawn his proposed but for the in-spection and registration of stallions in Ontario. There is never time up in the Queen's Park for any measure cal-culated to benefit and encourage the horse industry in this province.

We could not get along without your valuable paper, Farm and Dairy, and it is as welcome in our home every week as one of our own family—John Davidson, Northumberland Co., Ont.

The "Bissell" has wonderful capacity

Test the "Bissell" In Throw Harrow on your land and you'll see what a harrow designed by a specialist will do. Our Mr. T a specialist will do. Our Mr. T. E. Bissell has been personally connected with the manufacture of disc harrows for nearly a quarter of a century and is rec-ognized as an authority on disc harrow construction. The "Bis-

sell" In Throw stays right down to its work, no matter how tough the land. It doesn't rock or sway. The plates stir the soil thoroughly. The gangs stay tight. There is no neck weight, tight. There is no neck weight, therefore the horses do the work casy. It has wonderful capacity—wins every field competition. The construction is simple,

durable and trouble proof. Send to Department R. for booklet describing both our In Throw and Out Throw Harrows and our 16 plate wide cut har-

rows which are so popular in the North West. And remember that the name "Bissell" is stamped on every gen-uine "Bissell" harrow.

Two brothers, Mr. Gordon Mann and Mr. Joe Mann, who live on separ-

#### Comparative

March 30,

The Fee

The Feeders use of our a terested are tions, or sen All questions attention.

**7,9999999999** 

**Balanced Rat** 

I have corn er mixed peas, oat give me a bala cows?—J.M., Leec Cows giving v cows will requir my plenty of w silage and cloves tion. For cows 1 say 30 to 40 bis ration will be farting with the will be with the will be will be with the

ration will be fo

corn ensilage, 40 oil cake, one lb. barley five lbs.

The quantity be reduced in p crease in the mi grain to four or

ing a good rule large supply of oats and barley,

out of this rathree lbs. of mix for the four lbs.

quantity of roots

will increase its to keep the cows dition.—E.

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Prof. Ralph He sicn of Agricultu nesota University tabulated the r analyses of red hay, made to de parative feeding show the number ible nutrients in clover and timeth

Nutrients

Ash Crude Fibre Carbohydrates

The results he conclusively the s in feeding value. over twice as much and considerably and carbohydrates

Clover is espe young stock and timothy is more thorses. Its mark last purpose is so its profitable use feeding, since the nutrients can be feeds for less mone

#### Ode as Grain

Analyses show th in protein than a equal to wheat a higher in ash a grains, and a so in fat than either the common account of the On account of the tain the highest pofibre, an undesiral straw contains more fat than corn sto

of any other small Oats have long grain for feeding h protein content f amount of muscle for the development and for the maintenant for the mainte and for the mainter dition of older one The protein and fa-largely digestible. argely digestible, nastication and di

T. E. BISSELL CO., ELORA, ONT.

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Balanced Ration for Milk Cows

I have corn ensilage, clover hay and
mixed peas, oate and barley, Please
give me a balanced ration for dairy
cows-J.M., Leed: Oo. Oat.
Cows giving very little milk or dry
cows will require little meal if they
believe of well matured corn enpowers of well matured corn enpowers of well matured corn ention. For cows milking quicombinant of the combinant of th

barley, five lbs.

The quantity of grain fed should be reduced in proportion to the decrease in the milk flow, about one lb. grain to four or five lbs. of milk being a good rule. When you have a large supply of heme grown pew, oats and barley, the bran can be left out of this ration altered and the supplies that the supplies the supplies that the supplies the supplies the supplies that t oats and barley, the bran can be left out of this ration altogether and three lbs. of mixed grain substituted for the four lbs. of bran. A small quantity of roots added to this ration will increase its palatability and tend to keep the cows in a healthier con-dition.—E.

Comparative Feeding Value

Comparative Feeding Value
Prof. Ralph Hoagland, of the Division of Agricultural Chemistry, Minnesota University Farm, has recently
tabulated the results of numerous
analyses of red clover and timothy
hay, made to determine their comparative feeding value in the fattening of live stock. The figures below
show the number of pounds of digestible nutrients in one ton each of
clover and timethy, respectively:
Difference

		Differenc				
Nutrients	Cl'ver	Tim'thy	in favo			
			of Clove			
Ash	89.9	72.9	+17.0			
Fat	38.0	24.5	+13.5			
Protein	150.2	65.9	+84.3			
Crude Fibre	290.7	418.6	-127.9			
Carbohydrates	552.6	462.5	1.90.1			

Carachydrates ... 552.6 462.5 490.1

The results here presented show conclusively her superiority of clover conclusively the superiority of clover in feeding value. Clover contains over twice as much digestible protein, and considerably more digestible fat and carabhydrates than timothy hay. Clover is especially suited for young stock and milch cows while timothy is more used as a feed for horses. Its market value for this last purpose is so high as to forbid its profitable use for general stock its profitable use for general stock its profitable use for general stock feeding, since the same amount of nutrients can be purchased in other feeds for less money.

#### Ode as Grain Feed for Stock

Analyses show that oats are higher Analyses show that oats are higher in protein than sorn and are about equal to wheat; ad barley. They are higher in ash; an any of the other grains, and \$\varepsilon\$ considerably higher in fat than either barley or wheat. On account of the hulls, oats contain the highest percentage of crude fibre, an undesirable element. On a straw contains means on the straw contains means on the straw contains means of the straw contains means.

The Feeders' Corner is for the sum of a considerable amount of crude fibre in the hull. Onte an absorbers. Any interest of the sum of our absorbers and probable of the sum of our absorbers. Any interest of the sum of the

not too high in price.

Probably by far the greater portion of the oats produced is fed to horsees. In the epinion of many good horsemen no other feed produces as good results in keeping the animals in good condition and high spirits. Though the stimulating effect of oats may be considered by the stimulating effect of the constant o

SUBSTITUTES FOR OATS FOR HORSES

Oats are usually fed whole to hor-ses. In the feeding of young cotts and older animals with poor teeth, grinding or crushing the grain is of benefit. Musty grain sheuld never be fed to stock. When oats are high in price, corner other ways. and once animas was poor teets, and the content of the content. Musty grain should never be for to stock. When oats are high in the content of the content o

COMPARED WITH BRAN FOR COWS

COMPARED WITH BRAN FOR COWS

The high protein content and readily digestible nature of oats make
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of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consistency of the consi she, an undesirable element. Out straw contains more protein and more fat than methods or the straw of any other straw. Outs have long train. Or feeding horeas. Their high protein content furnishes a large mount of muscle-building animals and for the maintenance in the strain of older ones at heavy work. The protein and fat in the ferm of corn at the complete mastication and digestion are sided of the strain of older ones at heavy work. Oats for sheep of the ration of attenues and for the maintenance in a strain are largely digestible, while complete mastication and digestion are sided

show that this grain is only a little lower in feeding value than corn for fattening sheep, better results will be secured by feeding corn and oats mix-

fattening sheep, better results will be secured by feeding corn and oats mixed than cats alone. Oats are usually fed unground. Breeding ewes should be fed a half pound of oats, bran, or peas daily, the selection of the grain typercling on the availability and the properties of the different feeds. Sheaf on prices of the different feeds. Sheaf on several properties of the different feeds. Sheaf on the fed to young lambs with excellent results. As previously stated, on account of the large quantity of crude fibre in oats, this grain is not well adapted for use in feeding hogs. An experiment at the Wisconsin station shewed excellent results when a ration of one-third ground oats and two-thirds corn meal was fed to growing pigs. The proportion of ground oats or the ground oats and two-thirds corn meal was fed to growing pigs. or the substitution of whole cats for the ground oats decreased the rate of gain and increased the cost. Ground or crushed oats are excellent for brood sows. They can be fed with best results in the form of slop, alone or in combination with bran, shorts, or peas—C. W. Warburton in U. S. Farmers' Bulletin 420.

SYNOPSIS OF NADIAN SORTHWIST I AND IN SYNOPSIS OF AND IN SORTH SYNOPSIS OF AND IN SORTH SYNOPSIS OF AND PERSON OF THE SYNOPSIS OF THE SYNOPS

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How "Eastlake" Steel Shingles will save you money



Talk No. 4

SAFETY

The Philosopher of Metal Town

"EASTLAKE"

STEEL SHINGLES

Just ask yourself the question, Mr. Farmer, "Is my barn roof lightningproof-is it fireproof?

It's not a cheerful sight to see your barn—full to overflowing with the season's crop—wiped out by lightning or a spark from the threshing engine.

All because of faulty roofing.

A fireproof roof is the only sure protection for your crops, your implements and livestock.

"Eastlake" Steel Shingles are absolutely lightning - proof, fireproof and stormproof—the best and safest roofing for all buildings.

Time has proven them—roofs covered with "Eastlakes" a quarter of a century ago are in perfect condition to-day.

"Eastlake" Metallic Shingles are made of the finest galvanized sheet steel and are easiest and quickest to laysave labor and expense.

They cost less than a wooden roof equipped with lightning rods.

This is the one roofing for you, Mr. Farmer.

Learn more about it. Send for our illustrated booklet, "Eastlake Metallic Shingles." Write to-day—just your

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Agents wanted in Some Sections

#### Beeeeeeeeeeeeeee .

Orchard Cultivation

Cooper Bros., Yale-Cariboo, Dist., B. C.

As soon as the soil can be worked in the spring we double disc, over-lapping half the disc and about 10 days after harrow twice with the common straight-toeth harrow. We lapping half the disc and about 10 (will be the most economical fertilizer days after harrow twice with the for him to use for onions, Lecause common straight-to-th harrow. We the soils differ in their chemical as harrow at intervals of about 10 days well as in the physical composition. or directly after a rain until the latter of June, when we again loam soil with loam predominating double disc, travelling at right angles It should be made as rich as possible, to the way we previously discod in double disc, travelling at right angles to the way we previously disced in the spring. We continue to harrow at intervals of about 10 days until the end of August and harrow once in September and once in October, then just before the ground freezes in the fall we double disc.

During the months of July and August we watch the ground closely

During the months of July and August we watch the ground closely to see if any crust forms under the scil mulch. Should we find any crust we at once double disc the place or places where the crust is. When using the disc always set the discs at the greatest possible angle. Close to the tree there is usually a small space that the disc and har-

w do not touch. In the early part to level the generally the only hoeing done in the orchard.

Onion Culture

E. G. Malcolm, Brant Co., Ont.
Each grower must do a certain
amount of experimental work for
himself before he can find out what
will be the most economical fertilizer
for him to use for onions. because

to level the ground. Have the ground thoroughly warmed befor sowing. The more work there is den before sowing. before sowing, the less labor ther will be after the onion has started t grow, as you can then better kee the weeds in control.

the weeds in control.

Sow in rews from 12 to 14 inche apart. About three pounds of secto the acre is sufficient if No. 1 secto the seed, sow more. Always test the seed to the seed, sow more. seed before sowing.

Cooperation in Nova Scotia It is only a few years since the first cooperative society for packing



These people shown in the illustration have taken advantage of the practical instruction in the control of the practical instruction in positive states of the practical at the O.A. and the series well advised in this fitting themselves with knowledge of a practical with the positive states of the property of the prop of a practical them will be a

then will be a life work, extensive work with poultry.

and I know of mothing better than a heavy applies on of barnyard manure, well e.d. Plow as early in the sprine possible.

Propare the seed bed by using a heavy roller and working it up with harrows. Then use a scraper of plank considerable with the property of t

bership is increasing each year.

This past season another forward step has been taken in the coopera-

and the second support forward step has been taken in the cooperative marketing of fruit. A central association has been formed with a manager and board of directors, and tis expected that this central body will soon do all of the buying and selling for the subcrotinate societies. Speaking of the success of these societies in a recent letter to Farm and Dairy, Prof. P. J. Shaw, Horticular at the Nova Scotia Agriculturiat at the Nova Scotia Agriculturiat at the Nova session in the fruit business in Nova Scotia."

#### Turnip-Rooted Celery or Celeriac

A. H. Ewing, Oxford Co., Ont. The cultivation of this delicious veg The entitivation of this delicious veg-etable seems to have been neglected of lite years; it is seldom seen in gar-dens. This is rather surprising as-there is no difficulty in growing it on any good soil. It is on more trouble to produce than carrots or negative. parsnips.

parships.

It is useful for soups, is very nice
boiled like artichokes and served with
white sauce, and there are various recipes for fixing it up for salads and other dishes. Try a row or two next season. Prepare plants like other celery and plant on the level, not in trempher it does trenches; it does not require earthing

Years of experience have taught us that many lose their young trees through neglect at planting time.— W. J. Stevenson, Ontario Co., Ont.

F YOU WANT DURABILITY RELIABILITY AND SIMPLI CITY YOU GET THEM IN THE O.K. CANADIAN. Students of Poultry recently at Guelph at the Poultry Short Course It requires only one team and man to plant your crop. Its auto-matic cup device does not punc-ture or bruise the seed in any way: handles it almost as care-

fully as by hand. Write for our 1911 Catalogue. CANADIAN POTATO MACHINERY CO., Ltd., 127 Stone Road, GALT, Out.

### Cover your buildings sanely

Buy roofing as you'd buy any farm implement—use the same judgment - and you will choose the kind that will last longest and cost least for repairs. Do that, and your choice is limited to metal shingles-the only practical, the only economical, roofing made

There are several good metal shingles made in Canada. Any of these makes far surpasses wood shingles in every respect - more durable, ten to one - fireproof weathertight — rustproof. But one make surpasses all the others

- and that is Preston Safe Lock Shingles. Don't accept this offhand as fact. Let it be proved to you. Let us show you why our shingles MUST outlast others, because ours pass the stringent tests of the British Government for galvanized metal. Let us prove to you why our safe-lock principle is the perfect method of overlapping sheet metal plates so as to make them absolutely wind-defying and water-tight. Write to-day for free book, sample shingle, and prices and name of nearest dealer. Address



Metal Shingle & Siding Co., Ltd.

Dover Street Factory

PRESTON, ONTARIO, and MONTREAL, QUE.

DENNING THE PROPERTY OF THE PR

neeeeeee POU 

March 30

40 Hens S

J. W. Cla While I m cubation, I hatched chic more rapidly tion and bre incubated art treuble that hatch a larg hens if they have about

Vtime. I make us the way arousellar. Of test say 10 he

in there toge attention. C are provided can help ther bath is also nen likes to herself when feed, hence t these are exc Wood ashes a ed since they There is no from the coa

FOR SALE A TWO CENTS A

PURE BRED P in return for Farm and Da subscribers w bred standars Manager, Fa

WYANDOTTES White Wyane \$3.00 each. \$1.50. Harry Peterboro, On POTATOES—En 3 years selected oats from has Emmer, the in A. Hutchinson

MONEY MAKE Red Chief str land Reds. S fully illustra Bros., Rockw EGGS FROM Brown Legho price \$1.00 per Ont. SINGLE. COM

Large snow Eggs, \$1.00 p QUALITY HI Blair's big p White Leghor 85.00 per 100. Galt, Ont.

Hillcres STANDARD

I made \$3.53
wholesale in 191
100 eggs at \$
chicks. From t
the laying age
average experi
\$2.50 each. Thi
a net profit of
the birds, whice
each.

My Breeding are part of a fi January, Februnew record for 23,532 eggs.

The Cockerels are from trap-records in their and over. Eggs for Hate May, \$12.50; Ju

S. G. HILLCRE Box 147, before is den

911.

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40 Hens Sitting at One Time J. W. Clark, Brant Go., Ont.
While I make use of artificial incubation, I greatly prefer the hen
hatched chicks since they mature
more rapidly and make better exhibition and breeding stock than those
incubated artificially. It is not the
treuble that one would imagine to
hatch a large number of eggs with
hatch a large number of eggs with
with the company of the company.
I have abut 40 heas setting at a

POULTRY YARD

Reseaseseseseseses

I have about we need extend as a clime.

I make use of my root cellar for this purpose. Boxes are arranged all the way around the outside of the cellar. Of these 40, I endeavor te set say 10 hens at one time.

These hens even if they are all in there together require but little attention. Corn and wheat and water are provided in the cellar where they can help themselves at will. A dust bath is also available. A setting hen likes to exercise herself and dust herself when she comes off for her feed, hence the dust is provided. I use coal ashes for dust. When sifted these are excellent for the purpose. reed, nence the dust is provided. I use coal ashes for dust. When sifted these are excellent for the purpose. Wood ashes are not to be recommended since they damage the plumage. There is no harm results however from the coal ashes.

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

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

WYANDOTTES FOR SALE.—Golden Silver White Wyandotte cockerels \$2.00, \$2.50, \$3.00 each. Eggs Golden \$2.00, White, \$1.50. Harry T. Lush. 182 Dublin St., Peterboro, Ont.

POTATOES—Empire State; registered seed; 3 years selection; \$1.50 bag. Siberian oats from hand-selected seed; 60c bushel. Emmer, the new feed grain, 76c bushel. A. Hutchinson, Mount Forest, Ont.

MONEY MAKERS—Heavy winter layers, Red Chief strain, Rose Comb Rhode Is-land Reds. Send post card for beauti-fully illustrated free catalogue. Guild Bros., Rockwood, Ont.

EGGS FROM IMPORTED Single Comb Brown Leghorns; good winter layers; price \$1.00 per 15. W. C. Shearer, Bright, Ont.

SINGLE. COMB. WHITE. LEGHORNS.— Large snow white heavy laying strain. Eggs, \$1.00 per 15. C. Hutton, Bramp-

QUALITY HIGH and prices low for Blair's big pure white strain of S. C. White Leghorns. Eggs, \$1.00 per 15, and \$5.00 per 100. Charles R. Blair, Box 579, Galt, Ont.

#### Hillcrest Poultry Farm STANDARD WHITE LEGHORNS

I made \$3.33 per bird by selling eggs wholesale in 1910.
100 eggs at \$15, ought to hatch you 75 chicks. From these you raise \$5 pullets to the laying age. With average care and average experience these birds will not \$25 cech. The \$7.58, and \$7.58, and you still have the birds, which are worth more than \$1 each.

Messessessessessesses go back to a nest of eggs. Of course, I lose some eggs, but on the whole one is bound to lose some anyway and I find this manner of managing set-ting hens and natural incubation to be very satisfactory.

#### Spring Egg Production

Prof. W. A. Brown, University of Maine

Maine
Spring is the natural hatching season, and as a rule the birds lay well. We cannot de so much towards improving the number of eggs laid in the spring, but we can do much in our poultry houses towards keeping egg production up to the maximum for a greater length of time.

There should be an annual spring cleaning in every poultry house in the land and the house should be kept clean all through the summer. Many of the poultry houses of the country are places where not only people dis-

#### Your Opportunity

"My advertisement of pure bred poultry in Farm and Dairy has brought me gratifying results. Recently when I offered a few birds for sale, I received several times as many orders as I had birds, and found it necessary to return the money to several of the parties who wrote me. Farm and Dairy reaches a class of people who are interested in poultry"-Harry Lush, Peterboro, Ont.

"Business this spring has again exceeded our capacity. This we attribute in a large measure to us ing space in Farm and Dairy, which is one of the best advertising nediums in the province."— Brant Poultry Yards, Brantford Ont.

Farm and Dairy can do as much for you. Over 95 per cent. of our readers keep poultry. They have money with which to buy, and just now, owing to our educational campaign they are ready and eager for the best iltry, and are asking who has it to sell.

Cet next our 10,000 farmer-poultrymen with an account of the hatching eggs you have for sale. An advertisement in the columns of our poultry page will do the work and bring you satis-

do the work and bring you satis-fying results.

No big charge because you spend only a little money with us. Our low flat rate of ONLY 98 CENTS PER INCH per insertion is all we charge. If you have the stock and have the eggs and want buyers—then come. Write to-day, and send us your advertisement.

Note,—Bargain counter space in our classified columns, only 2 cents a word.

like to go, but also the hens. If we wish to secure eggs under the best conditions, we should make the nests

average experience these birds will net \$2.50 each. This will give you in one year a not profit of \$7.50, and you still have a not profit of \$7.50, and you still have a not profit of \$7.50, and you still have a not you have you

I have a rooster that does not eat, stands with feathers ruffled as if he was cold. The exercts is like sulphur. Please preserbe. I feed what, buckwheat, whole corn, and boiled potatoes mixed with bariey meal.—H.L., Hastings Co., Ont.

The bird is probably suffering from a combined attack of cold and indi-

gestion. Take him at once from the flock, dust him for lice, give a dose flock, dust him for lice, give a dose of caster oil, one sponful, and a Carter's Little Liver Pill. Repeat the dose in 12 hours. Should his breath have a very offensive smell he had better be killed. Give the whole to 100 hons, in many the property of quart of drinking water one sponful of muriatic acid. Keep the heas free frem lice, keep the house throughly

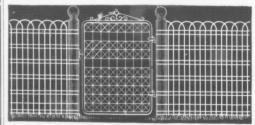
Each nest or box is just large dig up the seeds in the garden and of determining the sex of geese: Have enough for one hen. A setting hen always wants eggs te set upon and when they come off for feed each will go back to a nest of eggs. Of course, he has never known to fail.

#### Colony Houses Reduce Mortality

Where poultry are kept on the same land year after year, the mor-tality increases each year. For this reason the colony house system is reason the colony house system is superior to the system of substan-tial buildings which cannot be mov-ed. The colony house can be moved to any part of the farm and the chickens having a wide range, are stronger and healthier than those kept on the same range and on the same ground generation after gene-

ration.

The property of the p



## An Attractive Fence for your lawn—

The Peerless Lawn Fence and Ornamental Gates will add to the attractiveness of any property. They're good enough for any city lawn and strong and durable enough for the farm.

#### **ORNAMENTAL PEERLESS** FENCE AND GATES

Peerless Ornamental Fence is solidly made of spring steel wire—carefully gal-vanized and painted, so that it is thor-oughly protected from rust.

Peerless Gates are built to last. The frame is made of tube steel, electrically

welded into one solid piece. They cannot sag out of shape.

We also make poultry and farm fence that is known throughout the country for its durability and long service. Let us send you our booklet about it.

We want agents wherever we are not now represented. Write for particulars.

The Banwell Hoxie Wire Fence Co., Ltd. Dept. H Winnipeg, Man. Hamilton, Ont.

### RECIPROCIT

You do not need reciprocity if you buy your drills direct from We manufacture the IMPERIAL HORSE-LIFT DRILL.

Let us tell you why this drill is the best drill on the market to-day.

We also manufacture the Kemp Manure Spreader

THE W. I. KEMP COMPANY, LIMITED, STRATFORD, ONT.

Eggs for Hatching Mammoth Broaze Turkeys, 2 to per 3, 250 per 18, 260 per 19, 260 per 15; Rose Comb Black Minoreas, 2,00 per 18, Silver Grey Dork Brown Leghorns, 1.50 per 15; Single Comb B ngs, 2.00 per 15.

J. H. RUTHERFORD,
- CALEDON EAST, - ONTARIO Box 62.

## Watering Milk



is honest if you put it through the

OUR SYSTEM OF

### **Woodward Water Basins**

increases the milk flow and increases your DAIRY PROFITS. Not only that but

IT SAVES MUCH TIME AND LABOR There is only one Woodward but lots of imitations—BEWARE

ONTARIO WIND ENGINE & PUMP CO. TORONTO,

#### APICULTURE

Box Hives a Menace

Morley Pettit, Provincial Apiarist, Guelph, Ont.

Guelph, Ont.

Beskeepers who within recent years have had foul brood in their apiaries should be particularly careful to prevent robing during the warm days between new and summer. All hives where bees have died must be taken indoorne way from all possible robing. The enough to close them, because rober will often gain an entrance when ease expected. All entrances of lives colonies should be made quite small, sepcially where the bees are weak in numbers.

Uso every precaution and watchful-

Use every precaution and watchfulness to prevent robbing. Do not under any circumstances leave combs of der any circumstances leave combs of honey out for the bees to clean up. Any honey you have is likely to con-tain germs which would scatter dis-ease in yeur healthy colonies. On account of prevalence of disease in unexpected places throughout the province it is never wise to feed province it is never wise to feed

Every beekeeper should understand Every beekeeper should understand fully the symptems and cure of Foul Brood, then he can be his own doc-tor. Those who do not should drop tor. Those who do not should drop a card to the Ontario Department of Agriculture, Torcnto, and a bulletin with description and full instructions will be seen. Particular attention is called to Section 4 of the "Act for the supersession of Foul Brood of Bees," which reads as follows:

"The inspector shall have full power; in his discretion, to order the owner or nessessor of any bees dwell-owner or nessessor of any bees dwell-owner.

owner or possessor of any bees dwelling in box or immovable frame hives

ing in box or immorable frame hives to transfer them the movable frame hives within a specified time and in default the inspection of such hives and the best destruction of such hives and the best dwelling therein." Anyone keeping bees hives of this description will render his description will render to our business by making present to our business by making provided to our business him to be the transferring as early as possible in the summer.

#### Pointers for Beginners

Chas. Blake, Frontenac Co., Unt. Chas. Blake, Frontenac Co., Cnt.
This is the time of year when people
get the fever and nearly all make
the mistake to start with, of going to
some asle and giving from \$3.00 to
\$4.00 such for old box hives. These
bees my not live to see the spring.
If they not live they ought to be transferred in a good frame hive. Before
the beginner has had bees a month he
wishes as he had never owned a
hive of love. He lets them run themselves until they swarm and so gets wishes that he had never owned a hive of bees. He lets them run them-selves until they swarm and so gets only half the pleasure and profit that he might have had.

A better plan is to go to some man who makes a living from bees man who makes a living from bees and get a good strong stock about the first of May for \$6.00 or \$7.00 and he can and will show you how to care for them. If you already own bees and wish to find out how to handle them on some warm day after May or can show you better how to handle them on some warm day after May after May after May after May or to the short of the sh learn yourself in a summer from read-ing bee boks. The books are good to give the theory but a practical man can show you how to do things.

can snow you now to do things.

After you get the bees out of the cellar and see, by lifting the lid, that they have some capped honey, close all up tight and leave the entrance all up tight and leave the entrance to the only about two or three bees an upgs at a time. This is bast done can pass at a time. This is best done after they are done flying, say the next morning; but if the hives are heavy don't lift the lid, as it allows the heat to escape. If they are light lift one corner of the cloth that should cover the frames, and if you can pass at a time. This is best dene see any capped honey leave alone for see any capped honey leave alone for a month, as the bees should not have the hive opened until apple trees blessom, and not then if they are all right end are doing well, for a be-ginner is not likely to know enough to be able to help the bees in their work of getting ready to gather the honey crop that opens about June 15th.

PROTECTING THE HIVES

Many bee-keepers now protect each hive by covering with tar paper in spring. Use paper large enough te fold all over the hive, tying on with binder twine. I believe this wrapping pays where there is a lot of bees, if only to keep down robbing, as the robbers cannot get to the joints or the hives as they often do in the spring if short of steres.

spring if short of steres.

I like to get bees out of the cellar when the soft maple is in thoom, as they can after that get a little to keep them working in the fields on the days. By closing the entrance so that very few bees can pass at a time, there is little danger of rob-time,

honey to bees, and where disease is known to exist it is the worst of keeps all noney or sweets away so bing if one keeps Italian bees and keeps all noney or sweets away so that bees cannot even smell then Robbing is one thing greatly fear-d by beginners, and they are nearly always to blame for it starting in their yards because they do things at the wrong time.

It seems that we all have to learn It seems that we all have to learn and pay for our experience in sting, loss of bees, and robbing it is, therefore, better to start with not more than twe hives, and first male them pay their way before incessing very much. Don't more than double the number of hives for the first the very much. Don't more than double the number of hives for the first year or two, as your bees will increase faster than your knowledge. It is an 6-8 matter to increase the number of matter to increase the number of when one can care for them

Bee-keeping is Profitable. - Beekeeping is not a young industry, but it is one which has been very much neglected n the past, and is now very neglected n the past, and is now very rapidly coming to the front. Honey is a staple handled, all wholesal, grocers at prices which are remun-erative to the producer. In the con-orative to the producer, on other agricultural purchased from such good returns are chtained from such good good good good good good good applied.—Morley Petiti, Provincial Apiarist, Guelph, Ont.

Seed put up in packages is more reliable than seed sold in bulk.—J. W. Clarke, Brant Co., Ont.



#### 8000 UNITED FARMERS

If ever there was a time in the history of this country when horself of this country when horself of the country when horself of the country and cooperate that time the country on binder twine, fibre and safety on a create in the country on the twine twine the country on the twine tw there is any agent in your district. Do it quickly and be loyal to your own hearthstones. We were the first tearthstone we will be used to the Jenny to the binder, and we are the last that is left of all the family.

#### FARMERS' BINDER TWINE BRANTFORD, ONT.

Joseph Stratford, - General Mgr.

AY CARRIER for \$9.00

As we have gone out of the Hay Carrier Business we are offering what we have left at this bargain price. EQUIPMENT

consisting of ropes, slings tracks, etc., extra.

Write to-day for our red catalogue giving full particulars and prices on equipment.

THE STRATFORD MANUFACTURING COMPANY, LIMITED STRATFORD ONTARIO

# WESTERN LAND FOR SALE

In areas to suit purchasers, from 160 acres upwards, situated on or near railways in the Best Wheat, Oat and Stock Growing Districts of

### SASKATCHEWAN AND ALBERTA

250,000 Acres to choose from

Prices low. Terms generous and helpful. Special inducements given actual settlers, and those requiring blocks for colonization purposes.

Write for particulars. Reliable agents wanted in every county.

#### F. W. HODSON, & CO., TORONTO, ONT. Room 100 Temple Building

Branch Office:-North Battleford, Sask, During 1910 we sold over 133,400 acres; during the past four years we have sold over 400,000.

good catch alfalfa. We and alfalfa

March

Fattene

never gave never got a his year w In these wo ber, of Pe ith alfalfa while he was tors of Far in Peterbor Mr. Web alfalfa, whi

first time. estimates th very conse district las owing to th Reckoning on the sam

> A Senio "Sady Je Holsteins, of two weeks days. Mr. but with the the Bellevil

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, 1911.

N in Peterboro. in Peterboro.

Mr. Webber has 15 acres seeded to alfalfa, which he cut last year for the first time. He took three cuttings and estimates that he got, putting it all at a very conservative estimate, at least three tons of cured alfalfa hay to the acre. The season in the Peterboro district last year was not especially factors in the drought, was very short.

he believed there was not a farm in the county but what had some land on which alfalfa could be grown successfully. He seeded his alfalfa with a nurse crop of barley, the barley being sown at the rate of one bushel to the acre. He used the nitro-culture as obtained from the O.A.C., Guelph, to inoculate his alfalfa seed with the bacteria so necessary for the successful growth of the alfalfa plants. "We certainly can grow alfalfa," said Mr. the beautiful of the seed of th he believed there was not a farm in the "If you have a rich soil and get a good catch, you have a great thing in alfalfal. We fattened our cattle on roots and alfalfal this 'past winter, and we never gave them a pound of chop. We never got as good results in years gone by when we fed lots of chop as we did this year with alfalfa and roots alone." In these words did Mr. Harry G. Webber, of Peterboro Co., Ont., express himself in regard to his experience with alfalfa on Wednesday of last week while he was conversing with the editors of Farm and Dairy in our office in Peterboro.

#### for the seed that it required to sow my 15 acres." Alfalfa Beats Wheat Bran

Here is a case where alfalfa proved to be better than wheat bran for dairy cows. Mr. Gordon Mann, of Peter-boro Co., Ont., who called at the office of Farm and Dairy on Saturday last, informed our editors that last summer owing to the drought, was very short.

Reckoning the hay crop for his district on the same estimate as he placed his alfalfa, Mr. Webber thought that tim-

A Senior Two.year-old With a Butter Record of over 18 lbs. in 7 days

"Sady Jewel Posch." the heifer here illustrated, is from the Hill-Crest Herd of Holsteins, owned by G. A. Brethen, Norwood, Ont. Although milked up to within two weeks of feshening she came on and made over it is, of butter in geven but with the others he offers, be has decided to let the public set the price at the Belleville Oonsignament Sale, April 7th.

"I am certain that there was no other feed on our farm last year that paid us so well as did our affalla. It surprised us how well our cattle did upon alfalfa hay. Our fattened cattle went on to the market at the beginning of February. Some of them were turned off in January. None of them got a bit of chop and they were fed entirely on alfalfa hay and roots and with splendld results, as I have stated. There will be considerable alfalfa sown in our district this spring. Several of our neighbors are talking of sowing alfalfa."

Some people say that 20 lbs. of al-

of sowing alfalfa.

That 20 has 20 ha

othy and red clover, such as is commonly grown, averaged only about one ton per acre of cured hay per acre last year.

ALFALPA PAID WELL

alfalfa hay was available he dropped the bran and fed alfalfa; the cows immediately increased in their milk flow on receiving the alfalfa hay.

Our agricultural chemists have long

Our agricultural chemists have long told us that affalfa was almost as good as bran in protein content, it having II per cent. of protein, whereas bran has 12 per cent. It is encouraging to note that in actual feeding results alfalfa gives so good an account of itself.

#### Alfalfa Where Other Crops Fail

The editors of Farm and Dairy learned last week of the tavorable results secured by Mr. Robert Darling, of Smith Township, Peterboro Co., Ont., who sowed alfalfa on a field that is practically sand and gravel. He got

very fine crop.
Until Mr. Darling seeded this piece of land to alfalfa he had gotten but meagre returns from it The alfalfa had been the only decent crop he has got off that piece of soil since he got the farm.

#### The Unselfish Farmers

(Ridgetown Dominion.)

when one sows plenty he is surer of cetting a good stand"

PETERBORO LAND SUITABLE
Ouestioned as to the suitability of the land in Peterboro County for alfalfa culture. Mr. Webber replied that

### D. M. Wilson, Dairy Commissioner. Kansas

The dairyman, to be successful, should know which is the profitable cow in the herd. There is but one sure and certain way to ascertain which is the best and most profitable animal; that is by keeping a cerrect record of the amount of milk and tutter fat produced. I should like to interject here that unless the herd has received the proper care and attention it would be unjust to judge the cow to be unprofitable without first giving her an honest chance, as the kind and amount of feed will make a marked difference in the amount of milk and butter fat produced, provided that the cow is receiving the proper care.

duced, provided that the ow is receiving the proper care.

The keeping of the record can be
simplified by enlisting the help of the
creamery or cream buyer of the vicinity. With the use of convenient
blanks for each dairyman, he could
weigh the night's and morning's mills
of three days' production each month,
and credit each cow according to her
number with the weight given at
each milking, and take a correct
sample bottle bearing the number of
the cow. The samples can be preserved by using the ordinary preserving tallets until delivered to the
creamery or buyer. After making a
correct test of this composite sample
of milk, the tester could either report or could keep the record for
each dairyman during
the great of the court of
the months of the court
of the court of the court
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of the court of all conceres.

The sum total of six milkings, or the three days' milk, can be added and multiplied by ten, which will give a fairly correct total of milk produced during the month. By keeping this record for the 12 months, the total pounds of butter fat produced by each cow can be calculated and will be approximately correct. By this means the farmer can dis-pose of the unprofitable cow and only

Why Test Cows for Production? raise calves for the future herd from the best producers. The small expense incurred in doing the testing and keeping the record for each farmer by the creamery or buyer would not amount to very much per cow.

In Farm and Dairy last week, owing to a typographical error, it was an-nounced that pure bred pigs would be given away for seven new subscrip-tions to Farm and Dairy. It should have read "nine new subscripions to Farm and Dairy."

CORN THAT WILL GROW
Compton's Early Hand Sorted. An early
variety and large yielder of fodder and
grain. Write for prices.
W. B ROMERTS, - SPARTA, ONT.

### SEEDS

#### SEED GRAIN Bush

Bumper King .... Irish White .... Mammoth Cluster White Jewel .... Banner " Daubeney 60
" 20th Century 60
" Sensation 60
" Ligowa 65
" Ligowa 125c.

BARLEY, O.A.C. 21. Special 110 lush.
" Ligowa 51.10 lush.
" Let finst ar-

rived.

GOOSE WHEAT-Fancy...\$1.25 bush.

"Choice.....1.10 bush.

SED PEAS-Golden Vine ...\$1.10 bush.

"Early Centennial...\$1.10

"Multipliers ...\$1.10 bush.

Bage extra at 25c.

RED CLOVER-Choice Government
Standard

THE HEWER SEED CO. 90 Macdonnell St., East GUELPH, ONT.





## INTERESTING FACTS

The new "STANDARD" book just published tells about the latest achieve-ments in Cream Separators. It is not made up of FICTION but of FACTS.

#### About Cream Separators

It describes the perfect running, perfect skimming Separator shown here and explains why a Separator that runs in a bath of oil lasts longer and runs easier and steadier than one depending on an oil can and glass lubri-

cators. It also explains why the "STAND-ARD" Separator gets more cream from the milk than can be got with any other Separator.

#### Yours for the Asking

WRITE US NOW and you will be sent one of these books post paid, free of charge; also the facts of a recent contest at Port Rowan, Ont., in which the "STANDARD" demonstrated its skimming supremacy

WRITE NOW. ADDRESS DESK 6 The Renfrew Machinery Co., Ltd. RENFREW, ONT.

Shorter Hours for All

Stephen Culver, Haldimand Co., Ont Stephen Univer, Haldmand Co., Unt.
Long hours on the farm are and
have been an objectionable feature,
which seems to be connected to a
greater extent with farming than
with any other occupation. The idea with any other occupation. The idea that these long hours of farm work with any scare occupation. In more that these long hours of farm work are necessary is fast losing ground. Long hours on the farm are no more necessary than they are in any other occupation. There are certain times in the year, of course, when longer in the year, of course, when longer hours are necessary. One cannot always are necessary one cannot always are not because the property of the prop and poor management.

The whole question is a serious one s regards the son and the hired man. as regards the son and the hired man. Even the man who works his farm alone has a responsibility in this connection. A man is making and mistake of life who shuts himself in from the world, works the year round until 10 and 11 o'clock at night, takes or time to attend public meetings. to and it octors at highe, cases no time to attend public meetings or even to plan his work, apparently be-lieving that by long hours, regardless of good management, his ambition and of good management, his ambition and desire (which is to diminish his mortgage or increase his bank account will be reached. Such a man would will be reached. Such a man would be disagreeable to hired help did he hire any, and furthermore he would also make his neighbors weary when they observe such work, and he would



you work the horse same time. Does not blighter or remove the hair. Wil tell you more if you write. \$2.00 per bottle at d'lers ordelly'd. Book 10 free Mr. S. Nixon, Kilbridge, Ont., writes Jan. 21, 1910; "I have used ABSORB-INE with success on a curb."

W. F. YOUNG, P.D.F., 123 TEMPLE ST., SPRINGFIELD, MASS LYMANS Ltd., Montreal Canadian Agents

AUCTION SALE OF FIFTEEN IMPORTED CLYDESDALE FILLIES



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AT ORMSBY GRANGE
STOCK FARM, ORMSTOWN, on the second
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ACHRAN

D. McEACHRAN

#### 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

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ONTARIO

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TWO SIDES TO A STORY

I have often heard men talk about "this hired man" and "that hired man" as being no good. Such assertions may be true in some cases, but tions may be true in some cases, but there are always two sides to a story, and perhaps those same men do not know how to use the hired help decently. I have had some experience myself in this connection and know what some hired men submit to, such myself men hired men submit to, such some such as working from five o'clock Monday morning until dark Saturday night that taken in hed after work for the day had ceased.

ceased.

If a boy or a man works for a farmer who is a hustler and who is inspired by greed to get out of the hired man all that he can, and works hired man all that he can, and works late evenings, that boy or man should at least be let off at five o'clock Saturday evening. I have in which the case of a man working until dark on one Friday evening in seeding time. He worked through without his support. The ablication to his the support. The objection to his treatment per. The objection to his treatment was aroused the next evening when the man was compelled to work after sundown or else displease his boss.

I would not have it inferred that the farmer who hires men is always to blame. There are always more or less blame. There are always more or less chores to do in the evening on any farm. On the part of the average boy, there is no objection to doing these chores if he is fairly treated and let off early now and then on an even-ing when he wishes to have a bit of amusement. There are some boys who amusement. There are some boys who will work with all their might for half a day in order that they may go to a ball game. Other they may are surly and independent and must attend everything no matter in what condition the work is they leave.

DISAPPOINTMENTS. I have been cheated out of holidays because I did not take them as they came along. I have often worked like a fool, doing more than was expected of me for the day, anticipating that I of me for the day, anticipating that I might get off a little before sundown. It ended almost invariely in disappointment, however, if the bosse was around. In spite of the daying, 'Man's work is from sun to be two should not, and need not, be trained and while the farmer may have it rather easy during the winter months, be is not of a hibernating class that here of the sundown the sundown that is not of a hibernating class that here of the sundown the sundo

It is a pleasure during summer months for one to feel and to know months for one to feel and to know that he has one a day's work and yet have some of the day left, free from toll and care, and which he can spend in agame of croquet, music in the parlor or amusements in general. It is a consolation for one to be able to the day of the control of the control of the one of the control of the control of the control of the number of the control of the control of the control of the second of the control of not under severe bondage and slavery, but that he can take some comfort and enjoy the good things of life.

### Keep Up the Price of Cheese

(Continued from page 5) of good heifer calves for the purpose of replenishing the stock of dairy cows from year to year. This plan might be worked out on almost any

In undertaking to work out a scheme of this sort, good producing cow. The work of the sort In undertaking to work out

be talked of unfavorably by all the factory steers and heifers to be sold factory steers and heifers to be sold in the Toronto market in large droves at two-year-olds at from \$10 to \$20 a head. There would be no money lost in cutting of that branch of their revenue. We might proceed therefore, somewhat as follows:

THE PLAN OUTLINED

After frequency and property of the prop

After freshening let two veal calves suck an ordinarily good cow for two months at which time they should be in the proper condition and size to bring a satisfactory price in the mar-ket. Then substitute another pair of calves for the next two months, then one calf for the fifth and sixth month. After the sixth month give her a pair of heifer calves letting them remain with her for four months. During this time the calves should receive suffitime the carres should receive sun-cient milk to make them grow well if other feeds such as clover or alfalfa, crushed oats, bran and oil cake meal together with grass and roots are also given. This pair will be retained on the farm to be raised and sold at a the rarm to be raised and sold at a convenient time, which might be when they dropped their first calves at from 24 to 30 months old. If well raised they could without harm be bred to calve at the earlier age and returns would then be received at the eturns would then be received of arliest date. This covers a period of 0 months. The cow would probably then need to go dry

then need to go dry.

The objection may be raised that allowing calves to suck the cowa will ruin the latter for future use. This objection, exists in imagination only, provided ordinary attentional judgment are used in the carrying cut of this plan. Do not along the control of the control of the carrying cut of this plan. Do not along the carrying cut of this plan. this plan. Do not allow the calves to this plan. Do not allow the calves to run with the cows. Let them have access to the cows at regular hours either twice or three times a day. Three times will give the best results. A small box stall for each pair of calves would be the most convenient rrangement bringing the cow to the arrangement bringing the cow to the calves at feeding time, placing a little meal where the cow will get it while the calves are feeding. The meal will make the cow eager to be with the calves and in this manner quite a number of cows could be attended to in a very few minutes.

GOOD CALVES ARE SCARCE The success or failure of this plan would depend chiefly on the ability of the man behind the cow coupled with the ability of the cow to produce the quality of calves desired; the latter is the most difficult condition to conis the most difficult condition trol. There is not sufficient uniform-ity of type or breeding in the herds in most cheese factory districts, the herds ranging from grades of the beed breeds to mongrels of the worst sort. breeds to mongrels of the worst sort. In selecting calves for vealing the latter had better be strictly avoided. Good Shorthorn grades would be the best to use but as these are not too plentiful, the grades of dairy breeds must of necessity supply the largest

Among the dairy grades the Hol-Athong the dairy grades the stein for vealing in my opinion would be much preferable for the reason that be much preferable for the reason that these cattle produce large thrifty calves suitable for vealing purposes, weighing probably 40 per cent. heav-ier when dropped than the calves of ler when dropped than the calves of the smaller dairy cattle. In selecting heifer calves for rearing, the black and white are the most desirable for the reason that they will be sold in a market that pays more for grade cows of that color. Quite recently public sales have been conducted where good Holstein grade cows have been sold at In undertaking to work out a scheme of this sort, good producing own would be worth croadiering one and with the word between the second with the 300 pound own. The best advice to farmers who are working with this sor of cow is te give up dairying or disc get the larger producers? I am presuming that a sup-result in the second words of the second with the second w

Another objection for milk produc-tion would be the difficulty in protion would be the difficulty in pro-curing a constant supply of calves. There would be plenty, however, dur-ing the months of April, May and June. As these are the months dur-ing which the low prices for cheese usually occur a liberal use of the milk in this way at that time would pro-vide relief or the above. in this way at that time would pro-vide relief for the cheese market when it was most needed. The greater por-tion of the heifers might be reared if they were of the right quality. There is a greater scarcity observed every year in the supply of suitable dairy count. dairy cows.

Dairymen will do well to give this problem their best consideration and where a nice herd of cows have been where a nice need or constant the collected try out to some extent the scheme proposed herein rather than dispose of the cows and change their methods of agriculture. We are not methods of agriculture. We are not trying to prove that money ocmes easily with milk at 75c a cwt. The cheese dealers have undertaken to do that. If, however, the dealers are responsible for unnecessarily depress-ing the method that may expect to ng the market they may expect to and dairymen adjusting their affairs to meet the conditions as they find them and much milk will be diverted into other channels.

#### Dont's in Land Drainage

E. R. Jones, Madison, Wis.
1. Don't dedge the wet spots in cultivated fields. A few dollars spent in drainage will make these spots yield valuable crops, and will make the cultivation of the whole field more convenient.

2. Don't be content with raising 2. Don't be content with raising marsh grass on muck and peat marshes. Drainage is the step that begins their adaptation to tame gras-

ses and other farm crops.

3. Den't condemn the muck and peat marshes on which timothy has died out once. Drain thoroughly and Drain thoroughly and then apply barnyard manure or com-mercial fertilizers, as is done on up-lands. In other words, give the

lands. In other words, give the marshes a square deal.

4. Don't wait for nature to drain the wet lands without assistance. Nature alone did not reneve the stumps and stones from the wooded, stony lands. Neither does she irrigate the arid lands of the West without the world of the west without the control of the west without the control of the west without the world of man.

arid lands of the West without the aid of man.

5. Don't let damaging water get on to land, if it can be prevented. An ounce of prevention is worth a pound of cure in drainage.

6. Don't think it takes a wizard to lay tile properly. Have a survey made sufficient in detail to show that there is sufficient fall. An intelligent use of this fall will then insure sueuse of this fall will then insure suc-

cess.
7. Don't install a part of a drainage system to which the remainder of the system cannot later be joined with

system cannor later be pointed with advantage.

8. Don't let the waste banks of ditches grow up to weeds. Get them sodded and make them both valuable and attractive.—Bulletin No. 199— "Principles and Practice of Land

#### ALFALFA IN AMERICA

The growing, harvesting and feedings of alfalfa is fully discussed in "dislated of alfalfa is fully discussed in "dislated of alfalfa is fully discussed in "dislated of alfalfa or many years. In his case was furth the knowledge of the crown of the the same of the crown of the c

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99 — Land

I am glad to see the stand which



Cows of Uniform Type, Grand Fore-Udders and Unifo m Production, to be Sold at Belleville Breeders' Consignent Sale From left to right these cows are: isf. sady Jewel Posech (two year odd) 18.50 bb. butter in 7 days; first part (the cows are: isf. sady Jewel Posech (two year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 80 days; in Record of Performance—has in the months and four days; first part (three year odd) 18.50 bb. butter in 7 days; first be Kol Butter (three year odd) 18.50 bb. butter in 7 days; first be Kol Butter (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. butter in 7 days; first part (three year odd) 18.50 bb. bu

#### A Satisfied Dairy Farmer

A Satisfied Dairy Farmer

R. L. Hoardsworth, Durham Co., Ont.

1 followed with interest the article
from the pen of Mr. McKim, of Grenwille Co., which appeared in Farm
and Dairy sometime ago. 1 am not
in dairying myself at present but to
show the fallacy of the argument that
there can be no money made in dairying under present cenditions, let me
instance the case of a neighbor who
has made money from dairying. This
instance is the more enouraging to
the young dairyman from the fact that
our neighbor did not invest large
aums in fancy stock, buildings or appliances. He has plain comfortable
stables, cows that while not of fancy
breedling are nevertheless; ig milkers,
and grows most of the feed on his own
farm. Some brewers' grains and mill
feeds are purchased. He is not worktee for the health but for what there
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e Broanes around the lit	ouse. Hi
ncome last year was as fo	lows :
Cream sold	\$940.07
Butter sold	919 07
Skim milk	210.07
Butter Milk	6.00
Butter used at home	5.00
Cream used at nome	35.88
Cream used at home	26.80
Skim milk fea to pigs	50.00
New milk for home use	15.60

Total \$598.42
The pigs were purchased as suckers.
After deducting the value of all feeds
fed except the skim milk, it left him
when seld \$50 for the milk they had
consumed. He sells all of his produce
in the town of Port Hope, none being
shipped to the city.

#### Reciprocity in Nova Scotia

Editor. Farm and Dairy.—The people of the Maritime provinces are plublant over the new trade agreement, and apart from a few squeals Jfom some fellow whose "ox is getting the jab" and the "paid so much ger column" hysteries we see in some per column" hysteries we see in some per column to the agreement in the Maritime provinces. Looking at the question to the agreement in the question to the agreement in the question of the provinces. Looking at the question of the green some distribution of the green some that even it is seems to me that even it will be the possible of the green of the green some distribution of the green of the green some distribution of the green of the Editor, Farm and Dairy,-The peotwo nations for any real or imaginary

Farm and Dairy has taken on the reciprocity question. May there be no uncertain sound from the farmers to let our politicians know how they stand.—A. H. Cutten, Colchester Co., N.B

A Four-Year Average.—The famous cow at the Guelph Agricultural College which some four years ago astonished the country by giving over 20,000 lbs. of milk in a year, has just completed another year's test during which abe produced 19,742 lbs. of milk or 784 lbs. of butter. For the past four years, in spite of the fact that she lost a calf one year, her average has been 16,751 lbs. of milk, or 671 lbs. of butter for each year.

#### £~~~~~ Our Veterinary Adviser

INDIGESTION-What should be given to cow badly troubled with indigestion.-

Give a purgation of two lbs. Epsom salts, four dramas Gamboge, and one oz. ginger. Follow up with two drams nux vomica three times daily for a few days, and feed lightly.

CRIPPLED PIG.—Pig two months old is lame and breathes heavily. The tops of ite ears are drying up. What is the trouble—A.G., Buron Co. Ont.—A.G., Buron Co. Ont.—A.G., Buron Co. Ont.—B. C

CAKED UDDER—Please give treatment for caked udder.—G.O. Give a purgation of two lbs. Epsom salts, 4 drams Gamboge, and one oz. ginger, and follow up with one dram iodide of potassium twice daily for JO days. Apply hot poulties to the udder. Draw the milk four times daily, and after milking rub well with camphorated oil before apply ling a fresh poulties.

PARALYSIS—Caif one year old has tost the use of her hind quarters. For some time she has had to be raised by slings. She eats and drinks well.—J.W.P.

She has partial paralysis, and a recovery is doubtful. Purgs her with 12 os raw linseed oil and follow up.

with 30 grains nux vomica three times daily; feed on easily digested food, and get her on her feet daily if possible.

#### Unsoundness in Horses

Dr. A. S. Alexander, Madison, Wis.
The professional veterinarian when
examining a horse for soundness proceds on the basic surface and the surface of the Dr. A. S. Alexander, Madison, Wis. work, or able to work despite unsound-ness. The seriousness of the particu-lar unsoundness is to be estimated by the judge and for that intimate know-ledge and experience are necessary.

ledge and experience are necessary.
For breeding purposes any disease
is serious. A disease considered hereditary is most serious. A distortion,
deformity or blemish, due te accident,
is not serious on the score of transmissibility, but depreciates sale value.
In work horses the degree to which a
disease or unsoundness is temporary
or permanent and likely to detract
from serviceability for work, must be
carefully considered. A horse may be
afflicted with strangles ("distemper")
and recover perfectly; or the attack
may pass off, but leave the animal

a "roarer." The attack of strangles would constitute a temporary unsoundness; the "roaring" a permanent and serious unsoundness in a work ent and serious unsoundness in a work at the strangle of the serious unsoundness in a work and the serious proposes. A large barb wire cut sear would ordinarily be considered a "blemish" or "eye sore"; but should it have caused permanent lameness it would be a serious unsoundness in a work animal. In a breeding animal, not used for work, the blemish and even the lameness, would be of slight gravity, not being transmissible to progeny.—Extract from "Judging Draft Horses."

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Water Storage and Stock Watering Tanks, Thresher Tanks, Tank Heaters, Hog Troughs, Feed Cookers, Oil and Gasoline Feed Cookers, Oil and Gasoline will not be injured by or Tanks will not be injured by or Landsomake a complete line of also make a complete line, "Baker" Windmills, Planps, Gylinders, Windmills, Planps, Gylinders, Ask for catalogue Ne. 88.

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One Man can make 300 to 600 Perfect Tile a day by hand and 1200 by power, on our

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TEN DAYS' FREE TRIAL. If after ten days' trial it does not meet with entire satisfaction return at our expense. Write to-day for illustrated catalogue

Farmers' Cement Tile Machine Co. WALKERVILLE, ONTARIO

#### FARM AND DAIRY

AND RURAL HOME

Published by The Rural Publishing Company, Limited.



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

sey Cattle Breeders' Associations.

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OUR PROTECTIVE POLICY

OUR PROTECTIVE POLICY
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to feel that they can deal with our advertisers with our assurance of our adververtisers with our assurance of our advercolumns only. We try to admit to our
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#### FARM AND DAIRY PETERBORO. ONT.

#### HIGHER PRICES FOR FRUIT

The stock, grain and dairy farmers of Canada are not the only ones who will benefit by free entry for their produce to United States markets. The growers of tender fruits who at first bitterly opposed the agreement are changing their attitude, and many prominent fruit men such as Robert Thompson of St. Catharines have, on maturer consideration, come to believe that instead of being a detriment to the fruit interests, the advantages conferred on them by a new market in the United States will more than compensate for any competition they will have to meet on the home market.

Many factors have combined to change the views of the fruit men. One that can be appreciated by all growers is that the canners nave raised their contract prices for 1911 above the quotations that have ruled for several years past. For straw-

berries contracts are being taken out at \$1.10 a crate, as compared with 96 certs for last year's crop; for raspberries \$1.90 a crate as against \$1.75 and \$1.80 a year ago. Tomatoes have gone up two and a half cents a bushel. These increases in price prevail all through the Niagara district and are due to the anticipated competition of the United States buyers.

Niagara fruit men are also discovering that in their midst are grewers who have for years been shipping to United States centres and, in spite of the protective tariff, have been getting better prices for their fruit than had they sold in their own home market. The price of fruit lands. which, it was prophesied would decrease perhaps 50 per cent. should the reciprocity agreement become law, has actually increased and lands that were bought a short time ago at \$300 to \$400 per acre are selling at \$600 te \$660. The alarm with which Unit. ed States fruit growers in adjoining counties on the other side of the line view the removal of their protective tariff is also reassuring to Canadian fruit men.

Is it any wonder that many of our fruit men are coming to believe that they will share the advantages of reciprocal free trade with the stock raised and the dairyman?

#### MANY FARMERS WILL GROW ALFALFA

Although alfalfa has been before Ontario farmers for many years it has not been taken advantage of and grown generally. Many of the older men who attempted to grow alfalfa 25 and 30 years ago did not succeed any too well with the crop. At that time the needs of alfalfa were not well understood. It was not known that bacteria was required for the alfalfa roots before the plants would grow their best. It was not recognized that alfalfa would appreciate a dry, deep, rich soil and that lime and manure added greatly to the yield of alfalfa. Methods of curing were at fault and the alfalfa was allowed to get toc ripe. It became too woody and the leaves dropped off, leaving coarse, woody stalks, which did not make the best of feed.

During the past few years a great number of progressive farmers here and there in various. parts of Ontario have experimented with small acreages of alfalfa. We have yet to find one of these men who has grown alfaita on suitable soil and has grown it according to the modern, approved methods of culture but has been succesaful with alfalfa and now wishes he had more of it. Hundreds or these farmers are planning to seed increased acreages to alfalfa this spring. A canvass Farm and Dairy has made of a number of leading farmers in Peterboro County has shown that a great number of fields will be seeded to alfalfa this spring.

Alfalfa has proved itself to be a money crop beyond peradventure. There is no reason why each and every farmer should not grow at least a reasonable acreage of alfalfa. In

break away from any old time prejudices that have kept us from growing this great crop. We cannot afford to do otherwise than cast in our let with the progressive ones who are growing alfalfa in increased acreages year by year. Even that objection of alfalfa interfering with retation should not be countenanced. American farmers who grow alfalfa use it in a rotation and as Mr. Marsh shows in his article elsewhere in this issue, alfalfa works well into a rotation of crops.

#### FARMERS MAKE-OTHERS GET IT

Our brother farmers in the western provinces are far ahead of us in their recognition of the economic importance of a land value tax. They realize that farmers by their productive labor and by the traffic they create, build up land values in cities which are appreciated by the few people far sighted enough and financially able to invest in such property.

At the recent convention of the Manitoba Grain Growers' Association, Mr. F. J. Dixon, in a lengthy address on this subject, pointed out that one acre of land in the heart of the city of Winnipeg is valued at \$2,000,000, which equals in value 100,000 acres of western farm land at \$20 an acre. He showed that the bare land on which the city of Winnipeg stands was assessed at \$11,000, 000 in 1900, and is new assessed at \$108,000,000, an increase of about \$100,000,000 in 10 years, or \$10,000,-000 a year. This wealth is flowing into the pockets of probably not over 20,000 land owners in Winnipeg each year, who thus have appropriated an average of \$500 a year of wealth which they did not create.

If the farmers of the west were to stop farming for one year, land values in Winnipeg would collapse like a pricked bubble. It is the farmers in the main who create this wealth. Were land taxed according to its value, much of this wealth would come back to the farmer.

#### ORGANIZE FOR THE GRANGE

As a place where farmers may meet together and discuss questions in connection with agricultural work, the Farmers' Club is all right. When it comes to discussing the broader phases of citizenship and as a means through which we may make our influence felt in governmental circles, the Farmers' Club is helpless. Being under the Provincial Department of Agriculture, and receiving a grant from the Government, these clubs are not free to discuss political questions. In fact members of Farmers' Clubs have by their constitution wherever they are organized, been strictly forbidden to discuss such questions at their meet-

The meeting together and discussing of questions relative to agricultural operations is highly commendable. There are however other questions, which we as citizens must discuss; the greatest question before us farmers is that of the tariff and be-

country feel their great need of organization other than the Farmers' Clubs. Several clubs have already 'right-about-faced'' and have become subordinate granges, connected with the Dominion Grange, which is affiliated with the National Council of Agriculture.

In the Dominion Grange and the Canadian Council of Agriculture with which it is affiliated we have an organization through which we farmers from the Atlantic to the Pacific can present a united front to the Government in pressing for our rights. The advantage and the effectiveness of such organization was demonstrated last December at Ottawa, when, as all remember, through the efforts of this council, representations were made to the Government through a monster delegation of 800 men, which representations led to the present prcposed arrangements for free trade in natural products with the United States.

This much we have done through being organized. But we have only gone part of the way. A strong farmers' organization is even more necessary new than ever before. If we will consult our best interests we will follow the example set by farmers in Peterboro and Prince Edward Counties, where, as reported in Farm and Dairy, granges were formed, and organize ourselves with subordinate granges until one is to be found in each of all rural communities.

#### ANENT COOL CURING ROOMS

On the British market last season, Canadian cheese sold for lower prices than did either English or Holland cheddars. For this, two factors are responsible; they combined, have reduced the value of Canadian cheese. These factors are "green" cheese and lack of cool curing. Too many of our cheese are shipped in an immature condition; most of them are dry and lack that meatiness of texture that is so pleasing to the English consumer. These defects in our cheese are traceable directly to the lack of cool curing facilities in our factories.

A well insulated curing room alone is not sufficient. In the het days of July and August the temperature in these rooms goes up to such a point that the cheese maker is obliged to use too much salt in order to get a cheese that will "stand up." Then to avoid detericration the cheese have to be shipped in a "green" condition.

In Western Ontario last year the average temperature in June of the curing rooms of all cheese factories not equipped with cool curing facilities was 66 degrees, in July, 70 degrees and August, 71 degrees. These temperatures are altogether toe high to allow cheese to ripen so as to produce that mild pleasant flavor, which is essential to a high quality cheese.

We producers of milk should be interested in the establishment of cocl curing rooms in our factories. We are the ones who will profit therefrom; it is through us that improvement must come. It has been estimated our own best interests we need to cause of this farmers throughout this in any ordinary factory will pay for the cool curing the returns will us every four ye tory continues Where the p

factory, it wou advantage to that a cool cur right away be vately owned w allow the propr quarter cent a stalling a ccol

Tet. In Ontario we tem of factory tion. Our chee ent. They can the work of t will be ineffect if his cheese h ordinary curing ford to neglect other season. and in the qu too great. We get a cool cur A GRAVE

That a serie upon many shown by the tions. County of Peterboro, ing with an Dairy, stated Peterboro cou ratepayers are twenty-one Ca four Protestar dition, he star The only school wards of 30 s where Catholi condition is g of Ontario. Thousands of tes are not li of citizenship leads married stead of welc of parenthood proportions of fare of the na

The need f zens will be this developi where they w tain a proper stability of leavening of t coming to ( the reasons so far behin bors in this r

> Mark Twai and you will not apply to and Dairy, a

Good but not Lonesome

> are good bec the advertisi tiser unless v the reader This is in h Dairy's Prot each week c

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the returns will keep coming back to the returns will have been selected as the factory continues to make cheese.

Where the patrons own their cwn factory, it would be to their decided advantage to get together and see that a cool curing 'room is installed right away before another season commences. Where the factory is privately owned we could well afford to allow the proprietor to take, say onequarter cent a pound more for making our cheese until the cost of installing a cool curing room has been

net. In Ontario we have an excellent system of factory inspection and instruction. Our cheese makers are competent. They can make good cheese but the work of the best cheese maker will be ineffective in the hot months if his cheese have to be kept in an ordinary curing rcom. We cannot afford to neglect this question for another season. The loss in shrinkage and in the quality of the cheese is too great. We ought to act now and get a ocol curing room installed.

A GRAVE RESPONSIBILITY

That a serious responsibility rests upon many Protestant families is shown by the birth-rate in rural sections. County School Inspector Lees, of Peterboro, recently, while conversing with an editor of Farm and Dairy, stated that in one school in Peterboro county, where half of the ratepayers are Protestants, there are twenty-one Catholic children and only four Protestant children. This condition, he stated, is not exceptional. The only schools where there are upwards of 30 scholars are in sections where Catholics predominate. condition is general throughout most of Ontario. It ought not se to be. Thousands of our Protestant ruralites are not living up to their duties of citizenship. A selfishness, which leads married couples to dread instead of welcome the responsibilities of parenthood, may easily assume the proportions of a menace to the welfare of the nation.

The need for Canadian born citizens will be felt more and more in this developing country of ours, where they will be required to maintain a proper balance to ensure the stability of Government and the leavening of the heterogeneous masses coming to Canada as immigrants. Protestants may well enquire as to the reasons which lead them to fall so far behind their Catholic neighbors in this respect.

Mark Twain once said, "Be good and you will be lonesome." This does not apply to the advertisers in Farm and Dairy, as they are good and are far from being lone-

Good but not some. Their numbers be comes out with \$59.10.

Lonesome are being increased week by week. They are good because we do not admit to the advertising columns any advertiser unless we believe he will do for the reader exactly what he says. This is in harmony with Farm and Dairy's Protective Policy as published each week on the editorial page. Lonesome are being increased

#### FARMERS' RIGHTS

A farmer and a true friend and fighter in the farmers' cause is Neil E. Burton of Fort Stanley, Ont. Master of the Dominion Grange of Canada. He is a son of the late Josiah Burton and has always lived on the old homestead, which comprises 120 acres in the township of Southwold, Elgin County. Having travelled considerably, he having been from one end of Canada to the other, well over the Eastern and Central West of the United States and also Great Britain, Mr. Burton and clear the states and also Great Britain, Mr. Burton

and Central West of the United States and also Great Britain, Mr. Burron has gained a first hand knowledge of actual conditions in many parts of the world, other than his own. Being a close observer he has taken advantage of his opportunities while travelling; through observing the methods followed and the modes of living an the various communities with which he has come in contact, he has become peculiarly fitted for the office that he now holds and which places him in the fore-front of the fight for farmers rights.

Mr. Burton has always been a participant in the many and various de-

Mr. Burton has always been a participant in the many and varicus debates held in the several local societies of his county and has assisted on many an occasion in bringing home honors from distant societies. Invariably Mr. Burton has been found fighting in the best interests of the farmers; when not from the platform, then with the pen, many excellent articles of his having appeared from time to time in the interests of agriculture, some of his articles being on the tariff question.

Of his experience in practical farm-

Of his experience in practical farming we should note that Mr. Burton is a firm believer in pure bred stock. is a firm believer in pure bred stock.

He has imported some choice Percherons with which he has won premier awards at the Western Fair, London.

He is by degrees stocking his farm with pure bred stock in all the lines of domesticated animals that are kept or domesticated animals that are kept upon his farm. His progressiveness is also shown in the fact that he was the first in his county to take advantage of the Reforestation Act, he having set about 10 acres of his farm apart for the growing of young forest

Mr. Burton has always been per-sistent and fearless in his various undertakings and he has the reputa-tion amongst his acquaintances of being a man who, when behind a thing, will make it go.

A Tax on Progress

A lax on Frogress
John Anderson, P.E. Island
The system in vogue in Prince Edward Island of taxing improvements
is an encouragement to make the
farms larger. Where twe farms are
merged into one then only one set of buildings can be taxed instead of two. I would favor Henry George's single tax. Tax the land only and thereby encourage making improve-ments of every kind.

Under the present system one man takes say \$2,000 out of the bank where takes say \$2.000 out of the bank where it earms \$60 a year interest, and im-proves his property. He loses the in-terest, but that is not all. The state comes down on him for taxes, say \$4, on his improvements. He is out \$64. His neighbor, who leaves his \$2,000 in the bank, pays income tax on his \$60 cf interest equal to 90 cents, and he comes out with \$50.10. Now commance the two. The taxes

larger population.



ABOUT A CARDEN WHERE BUSHES AND FRUIT TREES ARE TO BE TRIMMED IS A PAIR OF PRUNING SHEARS LIKE THE ONES SHOWN IN THIS ILLUSTRATION

Giv en Away

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Circulation FARM & Peterboro Ontario

## GRAND TRUNK SYSTEM

Daily Until April 10th
TO VANGOUVER, B. C.,
SPOKANE, WASH.,
SEATTLE, WASH.,
PORTLAND, ORE.,
SAN FRANCISCO, CAL., TO VANCOUVER, B. C., SPOKANE, WASH., SEATTLE, WASH., PORTLAND, ORE., SAN FRANCISCO, CAL., LOS ANGELES, CAL., MEXICO CITY.

Low Rates Every Day MANITOBA, SASKATCHEWAN, ALBERTA

Exceedingly low rates each Tuesday until April 25th, to principal points in Saskatchewan and Alberta, including points on Grand Trunk Pacific Rail-

way. Full particulars and tickets from any Grand Trunk agent,

A. E. DUFF, D.P.A., C.T.R.

#### 160 ACRES of LAND FOR THE SETTLER

Large areas of rich agricultural lands, convenient to railways, are now available for settlement in Northern Ontario.

Ontario.

The soil is rich and productive and covered with valuable timber.

For full information regarding homestead regulations, and special colonization rates to settlers, write

The Director of Colonization Department of Agriculture,

TORONTO

Express Rates on Cream

The Railway Commission on March 21st heard the application of some 50 representatives of the dairymen of 50 representatives of the dairymen et Hamilton, Toronto, Montreal, Otta-wa, and other points, for an order of the board to compel the express companies to reduce their rates on shipments of cream. Recently rates were increased from 30 tc 35 cents were increased from 30 to 35 cents on eight gallon-cans, with an additional charge of 10 cents for returning the cans. It was pointed out that this increase meant about 52 per cent. a pound on butter. In was argued that this large increase was not justified.

not justified.

The express companies, represented by Mr. F. H. Chrysler, K.C., and various officials of the companies, contended that the new rates were reasonable. The beard, after several bulls of argument reasonable. hours of argument, reserved judg-

#### Thick vs. Thin Cream\*

Geo. H. Barr, Chief of the Dairy

One of the problems in the cream gathering creameries is to get the patrons to skim a rich cream. In discussing this question at a recent

\* Extract from an address before the W. O. D. A. Convention at Stratford.

meeting of creamerymen, several of our prominent buttermakers stated that it would be an injustice to the patrens of their creameries to offer a bonus for rich cream, as many of the patrons had separators which would not skim a 27 per cent. cream and do clean skimming. We regret that this is the case, as these farmers are losing much valuable feed for their stock.

their stock.

What are the advantages of skimming a rich cream? (1) The buttermaker has a better opportunity to centrol the quality of his butter. (2) There is less cream to hall. (4). There is less cream to take care of at the farm. (4) There is a greater quantity of skim milk at the farm for feeding purposes. eding purposes.

The following table shows the bene-

The following table shows the benefits of skimming a rich oream in a herd of 10 cows, averaging 4,000 lbs. of 3.5 per cent. milk:

Total Milk 40,000 lbs. Total Butter Fat 1,400 lbs.

at is dimcult to get every patron interested in the quanty of the butter at the creamery, but every one should be interested in retaining all the skim milk possible on the farm, and it is simply surprising now inthis respect. It all the cream sent to tons respect. If an one cream sent to our cream gathering creameries test-ed 30 per cent. fat, it would mean thousands of dollars extra money in the pockets of the patrons from more and better stock. I am sale in soling that the quality of our creamery butter would be very much improved, then some creamerymen would as some creamerymen would then pasteurize the cream who cannot do so at the present time, on account of its low fat content and high acidity,

which is the natural result of skim-ming a thin cream, as the following table shows: TEMPERATURE AND ACIDITY OF THICK AND THIN CREAM

			THEN C	* EU/A 282			
	Where	Kept	Lergib of time kept	Fet in Creen	Cream.	reent.	
In	the ce	llars	36 hrs. 36 hrs.	31.00 24.20	65.0 65.5	.430	
In in	insul.	tanks,	36 hrs. 36 hrs.	31.67 24.00	57.5 57.5	.175	
in in	insul. insul.	tanks,	60 hrs.	32.19 21.55	55.4 50.5	.380	
in in	insul.	tanks,	72 hrs. 72 hrs.	28.66 20.92	58.2 59.2	.425	

The lots in each bracket were skimmed from the same milk. In every case, except one, the thin cream shows the highest acidity, and one would think from the flavor of the cream when it was received at the creamery that there was a much greater difference in the acidity than greater difference in the actuity than is shown by the test, as the thin cream always had much the stronger

GATHERED CREAM

GATHERED CREAM

The question has often been asked,
"Can as goed butter be made from
gathered cream as from cream separated at the creameries" and the
answer has usually been, "and the
answer has usually been, "the, if
the cream is properly taken care of
at the farms." The question may be
asked at this point, What is good
cream?" and most buttermakers
would say. "It must be clean in flavor, sweet, smeoth and test over 25 per

would say: "It must be crean in nav-or, sweet, smooth and test over 25 per cent. Lutter fat."

To make finest butter the cream must be clean in flaver, and it must be free from lumps or curdy matter, the first part was the surface of the cream to the company of the company of the company of the cream test is not varieties and wasterrisad at the but when it is not pasteurized at the but when it is not pasteurized at the creamery, or no pure culture used, I No. 1.

am not so certain as to the proper acidity or per cent. fat. We do not, however, want any cream under 24 per cent. fat, or with ever 4 per cent. of acid when delivered at the

When the cream' is to be Commercy. When the cream is to be pasteurized at the creamery, it is sential that it be in sweet condition (not more than .20 per cent. acid) and that it shall test 30 per cent. It to get the best results. CONCLUSIONS

In the production of fine cream cleanliness is the great essential. It would mean a constraint of the great essential in the operating of one improvement in the operating of one in the operating of creameries if all the creameries if all the Cream producers must make some Cream producers must make some provision for ecoling the cream other than setting it in the cellars if we are going to have sweet cream.

An insultated tank proved a simple.

An insulated tank proved a simple convenient and effective utensil

convenient and effective utensil for keeping cream in.

Cream can be kept sweet for \$d\$ Cream can be kept sweet for \$d\$ hours by the liberal use of well water at 50 degrees in an insultated tank. It is impossible to keep cream sweet for delivery twice a week without using ice. Every creamery patron should provide a supply of ice for cooling the cream.

#### Care of the Separator

D. M. Wilson, Dairy Commissioner, Kansas

It seems strange that in the minds of some dairymen the idea prevails that it is unnecessary to thoroughly wash the separator more than once wash the separator more than once a day or once every two or three days. The same dairymen would object seri-ously to siting down to a table and eating his dinner off the unwashed breakfast dishes, and yet the prin-ciple is the same. Some consider that the mere flushing of the machine with warm water after each sequentially. the mere flushing of the machine with warm water after each separation is quite sufficient, with the exception of a general cleaning occasionally. Even where the bowl is flushed with Even where the bowl is flushed with warm water after each separation there will remain a certain amount of cream and separated slime, which of cream and separated slime, which rapidly undergoes decomposition. When the warm milk or succeeding milk is run through the separator, the cream necessarily becomes containing the separation of the separation the cream to deteriorate rapidly and produce butter of an undestrable flator and quality; to say the least, this cream is not only injurious to the reputation of the butter, but may in some cases be dangerous to the health of the consumer.

This neglect of the separator will cause not only a deterioration in quality but a loss of butter fat in the skim milk, and shorten the line of the machine. It is therefore the duty of each cream buyer as he comes personally in contact with the preducer

of each cream buyer as he comes per-sonally in contact with the preducer to assist him in an educational way to produce a better quality of cream. The cream buyer can do much to the upbuilding of dairying, or can through his lack of knowledge inno-centle injure the huginess to a mark. cently injure the business to a mark-ced degree. The Purdue University Experiment Station has issued a bul-Experiment Station has issued a out-letin (No. 116) in which they state as follows: "A trembling machine with insufficient speed, sour, curdly as colews: A tremoung macanae with insufficient speed, sour, curdle slimy, or cold milk and poor feed to separator will cause a loss of butter fat in skim milk amounting to from eight to 12 pounds of butter fat per cow in one year. Further, any neglect to theroughly clean a separator reduces the efficiency of a machine and also the quality of cream and butter produced, with an increased loss in the skim milk which will amount to several dollars per ow per year." It is also advisable to instruct the patrons that the separation of a very rich cream, say 50 per cent., is liable to cause a loss of butter fat in the skim milk.—Bul. No. 1.

I am very much interested in Farm and Dairy, as it furnishes much valu-able information.—John Trebell, Ed-

\*\*\*\*\*\*\*\* Cheese

Makers are invit to this departme matters relating suggest subjects letters to The Che ......

March 30,

Chief Dairy I Frank Herns, C. for We The quality of

of June was exc warm weather o with. Some re cheese were repe gassy milk and are to be blamed fects in our sur with some faulty Some of the mal warm weather protect the cheese use more sary. Very fev ported. The fall speaking of good have been less former seasons countered with defect formerly some of the su complaint has l boxing and ser been noticed in There i with respect to cheese. On the believe some pro-

The returns in until June ne crs' report 105 f cheese 50 less, a 1909, so that pr considerable inc average yield (pa pound of chees in 1909, 11.09. trens in 1909 w

The average curing rooms by 59 degrees; Jur 70 degrees; Au 60 degrees; Oct temperatures do ing rcoms. It average temperatures August are far er results in cur great many of show defects the to too high a ter ing rooms are problem.

Nine factories butter; 10 maki test, four more have cool curin than last year; ed, 273 more the a total expendit of \$19,760.

PROSECU The system a

handling cases of employing a continued again patrons were pro the offence and from \$10,00 to money went to the where the offen partially re-imbucther half of the Association to hof this work. of this work. T We find that the with causes of 1907, 60 patron This year, there be hoped that in

#### City Dairy Company, Ltd. TORONTO

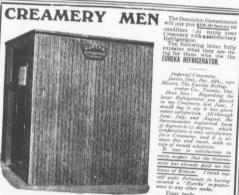
Reid Pasteurizer

FOR SALE -

A 6000 lb. Pasteurizer, just the thing for

a factory that wants to ship sweet cream

Cost \$200, will sell for \$100 Cash



The following letter fully explains what they are doing for those who use the EUREKA REFRICERATOR.

Imperial Creamers, I., 1910
Imperial Creamers, I., 1910
Imperiate Company Refreq.
Markey, Only, Dev. 16th, 1910
Imperiate Company Refreq.
Markey, Texanding the area of the property of the pr

nt has already paid me the us of \$100,00. I think my elf quite fortunate in havis ecured a "Eureka" in prefe ince to any other make. Yours truly,

Eureka Refrigerator Co. Ltd. Toronto Write for catalogue and information

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1911.

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revail oughly one days le and vashed pring that with ion is ption nally with

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Cheese Department

Makers are invited to send contributio
to this department, to ask questions on
matters relating to cheesemaking and to
suggest subjects for discussion. Address
to the contribution of the น้ำเวลสอดตอดตอดตอดตอดตอดตอดตอด

Chief Dairy Instructor's Report

Frank Herns, Chief Dairy Instructor for Western Ontario

for Western Ontario
The quality of cheese up to the end
of June was exceptionally fine. When
warm weather came many of the ushal difficulties had to be contended
with. Some rough textured open
cheese were reported and the quality
of a few factories fell off. Over ripe
gassy milk and warm curing rooms
are to be blamed for many of the defects in our summer cheese, together
with some faulty methods of making.
Some of the makers get alarmed when with some faulty methods of making. Some of the makers get alarmed when warm weather appears and thinking to protect themselves from open cheese use more salt than is neces-sary. Very few acid cheese are re-ported. The fall cheese were generally speaking of good quality. Bad flavors have been less pronounced than in countered with wall gound holes. It former seasons and less difficulty en-countered with small round holes, a defect formerly quite prevalent in some of the nummer cheese Little complaint has been heard regarding boving and seme improvement has been noticed in curing the late fall cheese. There is still some complaint with respect to the finish of the cheese. There is still some complaint with respect to the finish of the cheese. On the whole, however, we believe some progress has been made.

QUANTITY OF CHEESE

QUANTITY OF CHEESE

The returns for LiO will not be
in antil June next, but the Instructcrs' report 105 factories making more
cheese 50 less, and J the same as in
1909, so that probabilities point to a
considerable increase for 1910. The
average yield (pounds of milk to make
a pound of cheese) in 1908 was 11.083,
in 1909, 11.09. The net prices to patrens in 1909 was 11.42 cts. per 1b.

cheese. The average temperature of the curing rooms by months were: May, 39 degrees: June, 66 degrees; Juny, 70 degrees; June, 66 degrees; Sopt. 60 degrees; Oct., 86 degrees. These temperatures do not include cool curing rooms. It will be seen that the representation of the second properature of the sec August are far too nigh to get prop-er results in curing finest cheese. A great many of our summer cheese show defects through being subjected to too high a temperature. Cool cur-ing rooms are the solution of this problem.

problem.

Nine factories are making whey butter; 10 making casein; 27 pay by test, four more than last year; 25 have cool ouring rocms, two more than last year; 85 patrons were visited, 273 more than last year; two new Cactories were built, and there was a total expenditure for improvements of \$19,760.

PROSECUTIONS IN 1910

The system adopted in 1907 for handling cases of adulteration of milk of employing a special officer was continued again this year. Only 27 patrons were prosecuted, each appear-ing before a Magistrate acknowledged ing perore a magnerace acknowledges the offence and paid fines, ranging from \$10,00 to \$30.00. Half of this money went to the different factories where the offence was committed to where the offence was committed to partially re-imbursa here patrons. The cher half of the first partial to the fi

kind of fraud will be found. Until factories adopt payment by test; how-ever we see no other way of handling this work.

Experience with Cool Curing

Experience with Cool Curing.

A. T. Bell, Oxford Co., Ont.

We have been for the last few years endeavering to impress the cheese men with whom we came in contact with the advisability of making their curing rooms over into cool rooms. We know from our own experience the great advantages derived from the proper curing of cheese. I maintain that the cheese is only half made when it goes into the curing room—hence the great necessity of having a room well fitted for the proper curing of cheese.

room well fitted for the proper curing of cheese.

Our experience with cool curing has extended over a period of five years, and in that time I have had more real suisfaction in the handling, making and curing of cheese than I have had in all the past years of my experience, extending continuously since 1871, notwithstanding the many improvements that have taken place in that time in that time.

SHRINKAGE

We have never tested the shrinkage very theroughly, being satisfied from the experiments that were carried on the experiments that were carried on at the government curing room in Woodstock and at the Dairy School, Guelph, that there was a marked saving in shrinkage in the cool over the ordinary room. We note in our experience, and from comparing with our neighbors who have not yet made our neighbors who have not yet made that it takes less milk for a pound for the property of the for a pound for the property of the pro-tact of the property of the pro-tact of the property of the pro-tact of the pro-I find that our yield is better, which may be attributed largely to the cool curing. I am glad to note that two of our neighboring factories are tak-

of our neighboring factories are taking steps to change their rooms this year, and so the good work goes on. As to quality of cool cured cheese, we find that to be exceptionally uniform all through the season, the spring and summer cheese having that fine texture that we invarially get in our best fall make. This is of the greatest invertageacting the greatest importance and must be wholly credited to better curing.

wholly credited to better curing.

COST OF THE BOOM

OUR FORM, Which holds 720 cheese, cost a little ever \$800. As to best method of installing, I would advise any one who is going to make the change to visit one of the best factories that has been fixed over (and there are some good ones now), and get all informaticn possible. A good many suggestions may be had by doing this that cannot very well be put in writing. When cool curing of cheese becomes general the quality will be much improved and better prices must prevail. prices must prevail.

Official to do Testing

Official to do Testing

J. R. Hutchison, Thunder Bay

J. R. Hutchison, Thunder Bay

In our factory we always paid by
the straight fat test in winter when
making butter and by the fat plus two
in summer wer and by the fat plus two
in summer wer and by the fat plus two
in summer wer and by the fat plus two
is a fairer way of paying two test
is a fairer way of paying the
fat chesses making than the strait
fat test, nevertheless paying by the
fat test all the year has a tendency
to produce a class of cows in the section giving a higher testing milk.
And better cheese can be made at
less expense from high tresting milk
than from that which tests low.
We never had any trouble with our

For this reason it is advisable that the test be done by some government official. For instance, the dairy in-structors could make tests in our fac-tories. The patrons then knowing that the same man was doing the testing of all factories would be better to the patrons that the patrons the re in a better position when explain-ing to his patrons a variation in the er in a better position when explaining to his patrons a variation in the test as they would not think that he was trying to cover up carelessness of his own. To make the paying of milk by test compulsory and have all milk tested by government officials would be a commendable course.

Great Losses from Poor Milk

Chief Inspector Publow claims that hundreds of thousands of dollars are lost each year by the dairymen of Ontario, through not taking proper care of their milk. In support, of this stand, Mr. Publow tells of a factory in eastern Ontario where an experiment proved that the patrons were losing over \$5.00 a day directly, and much more indirectly, through care.

This factory was having trouble with

much more indirectly, through carelessness in handling their milk.

This factory was having trouble with
its cheese as the buyers were complaining about its quality. One of the
dairy instructors wristed the factory
in August and took charge of the
manufacture of the cheese. He
weighed the milk received, tested it
for quality and found that the number of pounds of milk required to
make a pound of cheese was unduly
large, owing to the poor quality of
the milk. This led him to visit each
of the patrons and to explain to them
how their milk should be cared for.
They agreed to send their milk to the
factory in good condition with the
result that a few days later the Insecond of ILs. are to
come of ILs. are to
come of ILs. are to
come of the complete of
the same quantity of milk.
This showed that the patrons were losing directly over \$7.00 a day through
losses in their milk without considering the losses they had suffered
through the poor quality of their
cheese. Mr. G. A. Putnam, referring,
to the same incident states that these
patrons sctually lost over \$13 a day
while they were sending the poor milk.

Paving for milk according to its

Paying for milk according to its test is certainly the better way to pay for milk. The Government should enact a law that all factories should nay for milk by test. In any case, however, before you can get the full benefit from paying according to test, there must be some disinterested

party to do the work of testing.—T. J. McKim, Leeds Co., Ont.



WON'T RUST - CAN'T LEAK All Sorts and All Sizes

STEEL TANK CO., TWEED, ONT.

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

HARDWOOD ASHES-Best fertilizer in use. George Stevens, Peterboro, Ont.

ONE THOUSAND PRINTED BUTTER WRAPPERS FOR ONE DOLLAR.—McMullen Printing Co., London.

BUTTER MAKER WANTED—For the Beaver Valley Creamery. Apply to W. H. Peterson, Charksburg, Ont.

FOR SALE—Twenty 14 half hoops, followers and bandager, all for \$10.00.—Robt McMillan. Pond Mills, Ont.

GAS OR GASOLINE ENGINE—Two-horse power. Half price. McMullen Ptg. Co. London, Ontario.

DAIRY HAND WANTED to take charge of herd of Registered Holsteins. Good wag and yearly engagement. Write J. O Drewry, Glen Ranch, Cowley, Alberta.

WANTED—Good second-hand Simplex or Success churn. State price and condi-tion. McDougal-Evans, Ltd., Owen Sound,

FOR SALE—Four Cheese Vats, 4 Sinks, 5 Gang Presses, 4 Agitators, Gurd Mill, 1 engine (8 h.p.), 1 boller (15 h.p.), 1 Reid Separator and Tempering Pan, Whey Can, etc. Factory closed. James Shiott. Tillsonburg, Ont.

WANTED—A situation as first butter maker or assistant. Have had three years' experience. Apply to H. E. Doupe, Kirkton, Ont

LIVE MAN OR WOMAN wanted for work at home paying \$2.00 or \$3.00 per day with opportunity to advance. Spare time can be used. Work not difficult and requires no experience. Winston, Limited, Spadina Ave., Toronto, Ont.

FOR SALE—iron Pipe, Pulleys, Belting, Rails, Chain Wire Fencing, Iron Posts, etc., all sizes, very cheap. Send for list, stating what you want. The Imperial Waste and Metal Co., Dept. F.D. Queen street, Montreal.

### Minister of Agriculture Selects The SHARPLES TUBULAR

The World's Best Cream Separator

The following letter is from the Minister of Agriculture:

Regina, Sask., Jan. 28, 1911. Gentlemen:—I have in use on my farm at Abernethy one of your Tubular Separators, which has given excellent satisfaction. W. R. MOTRERWELL, Minister of Agriculture,

The Minister of Agriculture is certainly in position to know, select, and use on his cwn farm the very best cream separator it is possible to obtain.

Why Did He Choose The Tubular?

Why Did He Choose The Tubular?

Because it is later than, different from and superior to all others. Because it has twice the skimming force of others, attms faster and twice as clean, and thereby pays for fixed fundements of the skimming force of the skimming for





isappointment should always be taken as a stimulant, and never viewed as a discouragement.

#### ... The Road to Providence

(Copyrighted)
MARIA THOMPSON DAVIESS (Continued from last week.) SYNOPSIS OF "THE ROAD TO PROVIDENCE."

SYROPSIS OF "THE ROAD TO PROVIDENCE."

Mrs. Mayberry, a country physicians widow, has taken into her home Elinora widow, has taken into her home Elinora widow, and the provided by the country of the city, but among the home neighbors there is a humore as refine dector in the city, but among the home neighbors there is a humore as refined by the provided by the pro

with the utmost gravity and not a lit-tle perturbation in her voice, "yes, of course. When did Doctor Mayberry

tle perturbation in her voice, "yes, of course. When did Doctor Mayberry go?"

"This morning before you came down-stairs. He gave Mother Mayberry some drops for Mis' Bostick and told me, too, how to give 'em to her. Mother Mayberry is down there now, and I'm going to stay with her this afternoon. But I tell you what we can do, Miss Elinory, there is Sam Mosbey—I believe you can get him easy. He picked up a rose you dropped when you went into the store to get your letters the other day, and when Mr. Petway laukpled he got red even in his ears. And just this week have bought a pair of pink suspenders, some sweet grease for his hair and green striped socks. He'll look lovely when he gets fixed up and I lovely when he most encouraging of the suitor she was advocating of the suitor she was advocating of the suitor she was advocating and brother the marchinarian of the suitor she was advocating and brother the marchinarian of the suitor she was advocating and his part about to continue her landshinarian and the suitor the suitor of the suitor she was advocating and her was been and her and her advocating and her suitor she was advocating and her and was just about to continue her machinations by further enthusiasm when, from down the road at the Bosticks, came Mother Mayberry's voice calling her and like a little kill-de she started away to the aid of her confrere

And for several long minutes Miss Wingate sat perfectly still and looked across the meadow to the sky-line with intent eyes. Teether was busily en-gaged in drawing by degrees his own pink toes up to his rosy lips in an ef-fort to get his foot into his mouth. an ambition that sways most mortals an amoution that sways most mortals from their seventh to tenth month. A thin wraith of Miss Alford's personal-ity had been drifting through the singer lady's consciousness for some days but she was positively stunned at this sudden materialization. There come moments in the lives of most women when they get glimpses into the un-discovered land of their own hearts, and are appalled thereby. Suddenly she hugged the chuckling baby very close and began a rapid rocking to the humming accompaniment of a rollick-ing street tune, a seemingly inexplica-ble but perfectly natural proceeding.

"Well, I'd like to know which is the oldest, you or the baby, honey-bird!" exclaimed Mother Mayberry as she came up the steps in the midst of the

Eliza was fast developing a code of morals that bade fair to be both original and sound.

"Yes," answered Miss Wingate with the utmost gravity and not a little perturbation in her voice, "yes, of course. When did Doctor Mayberry up again." As she finished as the course. up again." As she finished speaking Mother Mayberry seated herself on the top step and Miss Wingate slipped down beside her with her baby in her

arms.
"What is the trouble this morning.
Mrs. Mayberry?" she asked, as she
moved a little closer, so Teether could

whole world have learned to cut sister and brother deep enough into they children's hearts, then His kingdom children's hearts, then His kingdom is a-going to come in about one generation from them. Now there's a picture that goes on the pare with my remarks! Bettie sure do look pretty with that white sunbonnet on her head, and count how many Turners, Pratts, Hoovers, and Pikes she have got trailing peacefully behind ners, Pratts, Hoovers, and Pikes she have got trailing peaceful her all like the full-blooded brothers and sisters. I'm so glad bringing her sewing to set the set all bringing her sewing to set the set all bringing her sewing to set to the set all bringing her sewing to set to set all bringing her sewing to set to set the set all bringing her sewing to set to set the set all bringing the set all br

most manifest interest.

"Which is this just ain't filling at the price of the widow as she the price of the widow as she settled herself the widow as she widow as she widow as the wido to see Pattle toss her nead at him, and them boys both origiled out loud. He ain't spoke to Pattle for a week 'cause she sang outen Sam Mosbey's hymn-book last Wednesday night at prayer meeting. He've got a long-meter doxology face for sure."

meter doxology tace for sure."
"And he's a-suffering, too," answered Mother Mayberry with the utmost sympathy in her placid face at
the troubles of her favorite, Buck, the
lover. "To some folks love is a kinder, inflammatory rheumatism of the lover, "To some folks love is a kinder inflammatory rheumatism of the soul and a deserving of pity."

Soul and a deserving of pity."

A vision of a girl at a college commencement with her nose buried in a pink peony, looking up and smiling, flashed across the consciousness of

and stop a day or two coming back to see Andy and Carrie Louise. Then we'll drop the see he we'll drop to do not see he we'll drop to do not to the City for men, and we're on down to the City for men, and we're on down to the City for take 'em up to the capitol and over the new bridge, and we hope to strike some kind of band music going on some-kind of band music going on the see and the Hoover have got party rates. He says Hoover have got party rates. He says he are a going to get that seven town-broke anyway, if it costs two acres of corn. Now, won't we have a good

he are a-going to get that seven townbroke anyway, if it costs we acres
of corn. Now, won't we have acres
of corn. The bright face of the good
time?" The bright face of the good
pective bride fairly radiated with gopective bride fairly radiated with gopective and the good won't dedupt at the plan.
"That'll be a junket that they won't
never a one of 'em forget, Bettie!"
she exclaimed with approval. "They
ain't nothing in the world so educating the good of the good of the good
and the good of the good of the good
and the summary of the good
and the good of the good
now without coming back on the good
now without coming back on the good
over the ottermobiles," and Mother
Mayberry laughed at her own fling
at the sophisticated young Doctor.
Another dart of agony entered the
soul of the singer lady, and this time
the vision of the girl and the peony
was placed in a big red motor carwhy red she didn't know, except the
intensity of her feelings seemed to
intensity of her feelings as the good
at the soul of the seat demanded
that he should the of his intended
absence. What couldthat he should tell her of his intended absence. What could—

absence. What could—
"Well, to come out with the truth," "Well, to come out with the truth," Mrs. Pratt was going on to say by the time Miss Wingate brought herself to the point of listening again, "it's just the wedding itself that have gave me all these squeems. Why, Mis' Mayberry, how on earth are we agoing to parade all the seventeen into the Masting-house, without the Masting-house, with the Masting-house, without the Masting-house, with the to the Meeting-house without getting the whole congregation into a regu-lar giggle? I don't care, 'cause I know the neighbors wouldn't give us know the neighbors wouldn't give us a mean laugh, but I can see Mr. Hoo-ver have got the whole seventeen sticking in his craw at the thought, and I'm downright sorry for him."

"Yes, Bettie, men have got sensi-tive gullets when it comes to swol-laring a joke on theyselves," said

tive gullets when it comes to swoll-lering a joke on theyselves," said Mother Mayberry, as she joined in Mother Mayberry, as she joined in the widow's merry laugh at the plight of the embarrassed widower. "Looks ble when we all can trust Mr. Hoo-ley when we all can trust Mr. Hoo-ley when the word was a sound that the word and your children, after he have done waded in the word was the word was a sound to the word. waded into the marrying of you,

waded into the marrying of you, we oughter find some way to save his feelings from being mortified. Can't you hatch out a idea, Elinory?" of the yes, I know, I know just what to do—it came to me in a flash!" exclaimed the singer lady with pink cheeked enthusiasm over the inspiration that had risen from the depths at the call of Mrs. Pratt and brought her up to the surface of life with it for a moment anyway. "I saw wadding once in real England brought her up to the surface of saw with it for a moment anyway. "I saw with it for a moment anyway. "I saw with it for a moment anyway. "I saw a wedding once in rural England. All the children in the village in a double line along the path to the church, each with baskets of flowers, from which they threw posies in front of the bride as she came by them! Let's get all the children together and of the bruce as sine came by inem: Let's get all the children together and mix them up and let them stand along the walk to the church door. It will make a beautiful picture with no—no thought of—of who belongs to anybody. Everybody from Pattie and Buck down to little Bertie and Martin Luther! Won't it be lovely? I can show them just how to march down the road with their baskets in their arms, and Mrs. Pratt, you can come from yout house with the Deacon and Mr. Hoover can come out of the back of the store—with—with. Who is going to be his groomsman?" Who is going to be his groomsman?"

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

each out and nozzle against Mother | Mayberry's shoulder. "Anybody Mayberry's

sick?" "No, not to say sick much," answered Mother, with a touch of wistfulness in her gentle eyes, "but it looks like, day by day, I can see Mis' Bostick slipping away from us, same as one of the white garden lilies what on the third day just closes up its leaves when you ain't looking and when you go back is gone." "She isn't so old she can't—can't recuperate when the lovely warm days come to stay this summer, is she?" not to say sick much,

come to stay this summer, is she?" asked the singer lady with a quick sympathy in her voice and eyes.
"No, she ain't so old as to die by

sympathy in her voice and eyes.

"No, she ain't so old as to die by old age, but what hurts me, child, is that it is just her broke heart giving out. She have always been quiet and gentle-smiling, but since the news of Will's running off with that money the state of the state o

own sister love for one another in our young folks. I hold that when the

the singer lady and she pressed her head between little Hoover's chubby shoulders, and acknowledged herself head translations and acknowledged herself shoulders, and acknowledged herself af it subject for sympathy. To go and a fit subject for sympathy. To go and not think of telling her good-bye was cruel, and a forlorn little sob stifled itself in the mite's pink apron. "Well, folks," broke in the vidow's cheerful voice that somehow reminds one of peaches and cream, "I come one of peaches and cream, "I come

well, 10185, Droke in the vidow's cheeful voice that somehow reminds one of peaches and cream, "I' come over to-day to get a little help and encouragement about planning the wedding. I knowed Miss Elinow would think it up stylish for me and to help fitting notions to what can be did. Mr. Hoover's clover hay will be did by the well of the wedding to the help fitting notions to well a beginning to the wedding to the wedding to the wedding to take measures and bring to take measures and bring out now the wedding to take measures and bring out now the wedding to take measures and bring out now the wedding to take measures and trousses and the wedding to take measures and trought out the wedding to take well make a nice genteel show."

"Are you—going to take everybody on the trip?" asked Miss Wingate, roused out of her woe by the very idea the tour in the company of the seventeen.

seventeen.

"That we are," responded the widow heartily, "but not all at onct. We'll have to make two bites of the cherry. The day after the wedding we are a-going to take the two-horse team, a trunk and the ten youngest, and go a-visiting over the Ridge at Mr. Hower's borther's, Mr. Bigger's. We won't stay more'n a week

necesees The 2000000 The Char

March :

Be sober, adversary the walketh about devour .- 1.

For we wr blood, but against pow the darkness spiritual wie Ephesians To tell a possible to

life, to gain

of success, of one's tho er methods menly taug least, will pr and honour who will st with His lay of the truth One might man to wal forest that i if he will be way, withou the dangers be sure to other side, a that he can operate in not make p of these in work again: conscious o holding out success to them that Me, let him his cross, an 8:35.) And ance that n withhold fro ly."—(Psalr The grea books alread

and joy. T Satan, that ours to draw sin. Only the man who struggles to the darkness itual wicked his "adversa roaring lion To seek earnerely for though we is sires to give selfish. Goo them to us v knows too we

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powers that mere huma ceaselessly p

is the power to crown ou to fill our he and joy. T

in destruction Timothy 5:6 Here, the fundamental teachings of ers on succ The former success for them believ themselves t the difficult them. salvation of chief aim in QII.

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#### The Upward Look The Upward Look

The Character of our Struggle

No. 2.

Be sober, be vigilant, because your adversary the devil, as a roaring lion, walketh about, seeking whom he may devour.—I. Peter 5:8.

For we wrestle not with flesh and blood, but against principalities, against powers, against the rulers of the darkness of this world, against sprintial wickedness in high places.—
To tell a man or a contract of the second of

the darkness of this world, against spritual wickedness in high places.—
Ephesians 6:12.

To tell a man or a woman that it is possible to make a success of one's life, to gain honour and wealth, 't's reciely holding steadfastly to the idea of success, by changing the character of one's thoughts or by any of the other and the control of the control o

books already referred to is that they do not make it clear that there are two powers that are vastly greater than mere human strength, which are ceaselessly playing on our lives. One is the power of God, which ever strives to crown our lives with mercies and to fill our hearts and minds with peace and joy. The other is the power of Satan, that always and ever endeavours to draw us down into misery and sin. Only the first power can overcome the second. Certain failure awaits the man who by his unaided strength strugcles to overcome the "rulers of the darkness of this world," or "spiritual wickedness in high places," or his "adversary the devil" who "as a roaring lion" walketh about seeking for an opportuniv to devour him.

To seek earthly success and honour merely for their own sake, even alternet of the control of the

sires to give them to us, is essentially selfish. God does not desire to give selfish. God does not desire to give them to us when that is our aim. He knows too well the dangers that lurk in riches and in the praise of men. "They that will be rich fall into temptation and a snare, and into many foolish and hurtful lusts, which drown men in destruction and perdition."—(I. Timothy 5:6.)

Here, then, is the essential and fundamental difference between the teachings of most of the modern writers on success and those of Christ. The former trend to lead men to seek

Here, then, is the essential and fundamental difference between the teachings of most of the modern writers on success and those of Christ. The former tend to lead men to seek success for its own sake and to make success for its own sake and to make them believe that they have within the success for its own sake and to make them believe that they have within the success for its own sake and to make them believe that they have within the success of the success for its own sake and to make the success for its own sake them believe that they have the success for its own success for

Him more than anything else, that the Him more than anything else, that the Devil, himself, was constantly striving to drag them down into sin, that only by asking God humbly and earnestly for the necessary power could the aims of the Devil be thwarted and that they were to seek the kingdom of Heaven first, after which all good and needful things would be added unto them.—I. H. N.

#### Consumption is Preventable and Curable

Consumption is chiefly spread from the home, which becomes principally infected by the filthy spitting habits of the patient resident therein. It is more widespread than any other dis-ease. It is an entirely preventable disease, and the Provincial Board of Health calls upon all consumptives and their friends to assist in check-ing its ravages. Consumption is a disease of the lungs which is taken from others. It is not necessarily the outgrowth of a

is not necessarily the outgrowth of a cold; but a cold or any other lowered condition of the system makes a person more liable to the disease. It is son more liable to the disease. It is caused by germs so minute that they can only be seen with the aid of a powerful microscope. The germs usually enter the body in the air breathed.

The sputum, or matter coughed or spit up by a consumptive, contains these germs in immense numbers— frequently millions are discharged by a single consumptive in the course of

frequently millions are discharged by a single consumptive in the course of a day. This sputum spit upon the floor, wall, street, or elsewhere, dries and is reduced to powder by a broom, the feet, etc., and floats in the air as dust. The dust particles contain the germs, which find entrance to the lungs with the air breathed. Dust in a room or covered conveyance is more dangereus than dust out of doors, where many of the germs are soon killed by strong sunlight, heat and rain.

rain.

Carclessness in spitting reacts on the consumptive. Many a patient well on the road to recovery has reinfected himself by inhaling dust containing tubercle bacilli that he himself expectorated. Both self interest as well as that of the general public denand the greatest care in

Undoubtedly one of the commonest ways of spreading infection is the unconscious ejection of particles of unconscious ejection or particles of spittle containing the germs during coughing and sneezing, and this can obviously be eliminated by always holding a handkerchief before the

face during these acts.

The breath of a consumptive is not

face during these acts.

The breath of a consumptive is not dangerous; it does not contain the germs. The danger lies solely in the sputum or matter coughed up. Hence it is not dangerous to live with, or work alongside of, a consumptive, if the rules given in this article are strictly kept solely in the strict of the rules given in this article are strictly kept of the rules given in the article are strictly kept of the rules given in the strictle are strictly kept of the rules of

sician, and all charitable institutions should make it a Lusiness to provide extra nourishment for the needy.

If the personal rules are strictly carried out a consumptive may frequently not only do his usual work, or seme other, without giving the disease to others, but such occupation may improve his own condition and increase his chances of getting well.

increase his chances of getting well. While consumption is particularly prevalent in the crowded sections of cities and towns, it is by no means infrequent in the less settled districts, and even in the country. This is a probably due to lack of proper vantilation as well as improper construction of the houses. It often happens in rural districts that a person whose daily work is carried on under the best conditions in the open air, will spend the rest of his time, and particularly the hours of sleep, in close, suffly rooms. This is sui-cidal. The bedroom window should always be open. always be open.

In a later issue of Farm and Dairy we shall publish the second and last instalment of this article, giving rules for consumptives.

#### ... Misjudging Alfalfa

Our people in the east can scarcely redit the wonderful characteristics of credit the wonderful characteristics of alfalfa and the many uses to which it put in the west. Most of us entirely misjudge alfalfa, and some of our Farm and Dairy readers were rather skeptical of Mr. Marsh's statements in Farm and Dairy, page 3, last week, where he told of the college students who had been fed for a time entirely who had been fed for a time entirely on bread, cakes, pies, etc., made from alfalfa meal. The following article from a western paper will set many right on that score and will further prove interesting: Former Gov. Alva Adams was the

guest of honor at the recent alfalfa banquet in Rifle, Col.—a banquet wherein appeared alfalfa biscuit, alfal-

fa-stuffed turkey, mashed alfalfa (far better than mashed potatoes), alfalfa leaf spinach, alfalfa tea and cider, al-falfa salad and alfalfa tooth-picks "Alfalfa is affelicious," 'said Mr. Adams, at the banquet's end, as he drew his naphin across his month, "I have eaten and drunk heartily of it. I can only speak of it in terms of the highest praise.

can only speak of it in terms of the highest praise.

"The people misjudge alfalfa. They misjudge it as the 'biled clothes' story misjudges the civilization of the west.
"According to this libelous varn, a Harvard professor visited the West on a geological expedition. In Albertus he put up with a rancher. The first night on the ranch he slept in his clothes, like the rest of the boys, out of politeness, but the second night he complained about this.
"I can't stand it,' he said to he rancher. I don't seem to get my rest. My boots especially incommode me.'
"So the hospitable rancher stretched a cow skin across the shack, and that

"So the hospitable rancher stretched a cow skin across the shack, and that night the Harvard professor slept in his long white night gown by himself.

"At daybreak the night foreman came in while the professor was still slumbering. The foreman cast one glance at the sleeper, then tiptoed forth and said to the rancher:

"Rather sudden, wa'n't it?"

""Rather sudden, wa'n't it?"
"What?" the rancher asked.
"'Why, the death of the old prof.'
"'He's not dead,' said the rancher

"He's not dead," said the rancher "He sleepin!,"
""Then what in tarnation is he wearin' them biled clothes for?' snort ed the foreman. 'Never seen a chap laid out in biled clothes afore 'ceptin' he was dead."

If you have a cold in the head get a druggist to mix a small quantity of menthol into five cents' worth of white vaseline: apply a bit into each nostril one at a time. Close the mouth and the free nostril lightly. Breathe deeply until the effect is feld through the head and throat. Re-

### IT WILL ASTONISH YOU.



Everybody is astonished at the marvellous gain that comes to their home and to themselves by the use of

### RAMSAYS PAINTS

Don't you think it would be better for you to enquire about these paints. Don't use poor paints—they cost too much too sold at just the right price tor correct painting. We issue a handsome booklet on house painting. You should have it, you should have it to the painting. Tou should have it. We will mail it free.

A. RAMSAY & SON CO., . THE PAINT Eat'd. 1842



A fence of this kind only 16 to 23c, per running foot. Shipped in rolls, Anyone can put it on the posts without special tools. We were the conjunators of this fence. Have sold effect, etc. Supplied in any health seleired, and pointed either white or green. Also, Fann Fences and Gates, Netting, Baskets, Mats, Fence Tools, etc., etc. Ask for our 1911 catalog, the most complete fence catalog ever published.

THE PAGE WIRE FENCE CO., LTD., Walkerville, Ont. Branches-Toronto, Cor. King and Atlantic Ave. Montreal, 505-517 Notre Dame St. W. St. John, 37 Dock St.

The largest fence and gate manufacturers in Canada,

By Dora May Morrell

The art of mending does not demand long hours spent in repairing articles se thin with wear that they will not last as long as it took to mend them. It is folly to try to preserve garments in that condition, but where there

serve garments in that condition, but where there is good material it is well worth while to take the stitches that disquise the break or tear.

Mending may be as beautiful as embroidery, which, indeed, it is sometimes. There is scarcely any fancy stitch which will not serve at some time in mending. Never try to do good work when hurried or nervous, for nothing excellent can be done in a nurry. Have all that will be need-in a nurry. Have all that will be needfor nothing excellent can be done in for nothing excellent can be done in a hurry. Have all that will be need-a hurry. I when the work is begun, a nury. Have all that will be needed at hand when the work is begun, and also an iron heating. The frequent use of the pressing-iron is an important part of fine mending.

Let the thread be of the same texture in all mending as the material on which it is to be used.

on which it is to be used.

Fine hosiery should be darned before they break. To darn hosiery or
woven underwear, run a thread, taking it into each stitch from side to
side, going a little beyond the edge.

All must be perfectly flat without any
walling. pulling.

Now begin at the top and work a chain-stitch over each foundation thread, running a little above and below the hole. Cut thread at bottom and work always from top to bottom. This should be done on the 

The three-cornered rent in cloth requires all the skill of the mender, for it is one of the worst of tears. It should be mended as soon as torn. Lay under the tear a piece of the material so the weave exactly matches. Do not trim away the sides of the tear, but baste down with thread the color of the cloth. On the right side darn the tear over the underlay with ravelings of the material, following exactly the pattern of the weaving as the fabric shows it. Then dampen and press carefully.

When it is really necessary to patch garment, which is the case with cotton and smooth-faced goods, first cotton and smooth-faced goods, first trim the edges smooth, making a square or an obleng. Turn the edge in to form a narrow margin and baste it down. At the corner where the cloth will not lie flat make a dia-gonal cut just the depth necessary for turning the edge. The garment now ready for the patch. This must be exactly right in size, its edges turned and basted down. Fit it thread for thread to the garment, thread for thread to the garment, and baste tops and bettoms together. It is not enough to turn edges in and hold them, for this will produce puckers. Sew tops together, over-handing as neatly as possible, then the bottom. Pull out basting and press, then sew the sides. Draw out hasting addition, but still the still of the later has the product of t basting stitch by stitch, after hav-ing cut the threads. Press sides carefully

A patch inserted after this fashion scarcely shows. In repairing colored garments use ravelings of the goods for thread.

For mending smooth-faced materials or for holding two surfaces to-

### CAPABLE **OLD COUNTRY** DOMESTIC

carefully selected. Parties arriving March 20th and April 2nd. Apply now, The Guild, 71 Drummond St., Montreal, or 14 Grenville St., Toronto.

gether without stitches, tailors gutta-percha. It comes in thin sheets, and is laid under the tear, over a bit of material, then pressed with a warm iron.

In mending embroideries, strength-on the weak place with an underlay, and then work over this. With laces place under the broken piece a lace mesh like the foundation on which the design was worked. Work around every mesh, using a fine thread, work it in with the same stitch as in the original. Trim away the underlay after all meshes have been caucht into place. In mending embroideries, strengthcaught into place.

Darning as a fine art wears much better than it locks because the work better than it locks because the work is dene without any pulling of threads and in the same weave as the material. It becomes almost recreation; it is as unottrusive as mending ought to be, and beautiful needlework has much to do with the important business of making "audd claes luik amaist as weel's the new."

#### . . . Arranging a Washstand

Our illustration shows a pleasing arrangement for a wash stand, not hard to follow. Cretonne or dotted muslin is tacked, brought down and tacked to the edge of the lower shelf both at the back and at each end. The semi-circular opening in front is pro-duced by a hoop which springs from



each side and is fastened into a slot cut at both ends

The drapery is cut to fit this open ing, and a curtain which parts in the Two posts rise from the back of the top to a height of two feet, and are connected by a cu which drapery falls. curtain pole, from

#### ... Wardrobe Economies

Umbrellas should never be kept tightly rolled, as this causes them to wear out much faster than when put away loosely. An umbrella should, when wet, always be put te dry with the handle downward, and allowed to drin in this manner from the cover.

the handle downward, and allowed to drip in this manner from the cover. When the color of a dress has indeed owing to stains from lemma other acid fruit juice, a good method is to truth the spot with liquid ammonia, which will generally restore it.

The "sleeves" of long white, tan grey kid or suede gloves, of which the fingers are past wear, can be utilized by the home dressmaker for the makby the nome dressmaker for the making of collars, cuffs, revers, or pipings on woollen gowns. Kid cr suede can be used in this connection, and nothing answers the purpose better than the soft kid or suede employed spot still appears after washing off for gloves. Dresses of rough heather the nitre apply the treatment a semixture tweed look well when piped cond time. than the sort kid of steele employed for gloves. Dresses of rough heather mixture tweed look well when piped with tan suede, while the same can be said for the soft and subdued

#### ... Let Us Smile

The thing that goes the farthest to-ward making life worth while, That costs the least and does the most

is just a pleasant smile.
see smile that bubbles from a heart that loves its fellow-men

that loves its reliow-men Will drive away the cloud of gloom and coax the sun again. It's full of worth and goodness, tco, with manly kindness blent—
It's worth a million dollars, and doesn't cost a cant. doesn't cost a cent

There is no room for sadness when we

see a cheery smile, always has the same good look-it's never out of style nerves us cn to try failure makes us blue: try again when

Tailure makes us blue;
The dimples of encouragement are
good for me and you.

It pays a higher interest, for it is
merely lent—

's worth a million dollars, and doesn't cost a cent.

smiles comes very easy—you can wrinkle up with cheer hundred times before you can

squeeze out a soggy tear.

It riples out, mcreover, to the heartstrings that will tug,
And always leaves an echo that is
very like.

nd always leaves an ecno view very like a hug.

o, amile away. Folks understand what by a smile is meant—
't's worth a million dollars, and doesn't cost a cent.

—Baltimore American.

#### ... Kitchen Hints

When a tablecloth begins to show signs of wear along the middle, make a hem down one side, to change the place of the middle crease.

Beeswax and salt will make your rusty flatirons as clean and smooth rusty nations as clean and smooth as glass. Tie a lump of wax in a rag; when the irons are hot rub them first with the wax-rag, then scour with a paper or a cloth sprinkled with salt

To Mend Lose Knife Handles. Take off the handle, mix together three parts resin and one part Lathbrick. Nearly fill thehole with this. Heat the prong till nearly red, insert in the handle, and press firmly down.

To Polish Linoleum.-When lincleum or oilcloth has been washed lincleum or oildoth has been washed and thoroughly dried make a little starch in a pint basin with boiling water, and rub lightly over with a clean cloth. It will dry very brightly without any further rubbing or polishing, and has the advantage of leng glossy without being slippery.

Pantry Shelves .- An excellent idea for pantry shelves is to give them two coats of ordinary white paint, and then a third finishing coat of white enamel. As scon as the enamel white enamel. As soon as the enamel dries wash it over with cold water, and then it will harden quickly. Do not cover these shelves with oilcloth or paper, but leave them bare, and notice the improvement. As there are no covers under which crumbs, etc., can collect, there is nothing to encourage mice.

How to Remove Ink Stains from Wood.—To remove ink stains from Wood.—To remove ink stains from mahogany, rosewood, or black valuet furniture, put half a dozen drope spirits of nitre in a spoonful ster and touch the stain with a feather made wet with the mixture. As soon as the ink disappears rub the place with a cloth which has been dampened with cold water, or the nitre will leave a white spot that will not be easy to remove. If the ink

Rules to be Observed in Pastry-Making.—Everything used in making Making.—Everything used in maning pastry must be scrupiously clean pastry must be scrupiously clean and dry. Use the coldest water year and dry. Use the coldest water years and dry. Use the coldest water was allowed as a constant of the coldest water and a coldest pastry of the coldest pastry of the coldest pastry coldest water and coldest pastry coldest water and coldest pastry over—keep the coldest pastry over—keep the coldest pastry over—keep the coldest pastry of the coldest pastry of the coldest pastry of the coldest pastry of the coldest pastry water water water and coldest pastry of the c must be scrupulously clean cy. Use the coldest water you cooked, stand the pie on the top of the stove for a few minutes. To bake potatoes quickly, boil them

in salted water for ten minutes, then put them in the oven. The boiling put them in the oven. The boiling water will heat them through, and they will bake in a short time.

... When making mince-pies and similar pastries brush over the top with cold water, and sprinkle with finely powdered sugar. Their appearance will be improved, they will look beautifully brown, and will also be more tasty and crisp. . . .

A good deed is never lost; he who sows courtesy reaps friendship, and he who plants kindness gathers love; pleasure bestowed upon a grateful mind was never sterile, but generally gratitude begets reward. pleasure



It has been demonstrated that paint saves expense—in fact that it eliminates many repair bills. Martin-Seenour Paint properly applied, becomes an armorplate that protects the painted thing indefinitely, and user to be a paint of thing indefinitely, and user to be a paint of the painted thing indefinitely, and user to be a paint of the painted the paint

#### MARTIN-SENOUR Red School House Paint

For the barns, roofs, frees and out-buildings—for the wind mill tower and tank. Reeps off the damaging and tank. Reeps off the damaging and tank. Reeps of the damaging effect of sun, rain, snow, or fog, and will be supported to the sun of sun, rain, will be supported to the sun of sun, rain, will be supported to the sun of sun, rain, rain, rain, will be supported to the sun of sun

THE MARTIN - SENOUR CO., Limited

March 30, All Round

k By Gla Pour keroses and let it star to soften the soap and war Next rub on and turpenting flannel. I old flannel. I or two and linen. The re If the surfa

scratched with soap an and sprinkle over it. Rub first with a ci with the grai the surface i would af and water.
To clean the

then rub the stains are ver stains are ver well moistene dipped in salt traces of kercoughly with h If the sink ene well clean.

Zinc bucke Kerosene is grease that I work of man chines. The

chines. The Here's That ANYO

> Can Us HOME DYES ways been n - Not so

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#### All Round the House with Kerosene

By Gladys J. Partelow
Pour kerosene on soiled woodwork
and let it stand for an hour or more
to soften the dirt; then wash with
soap and warm water and wipe dry.
Next rub on a mixture of kerosene

Next rub on a mixture of kerosene and turpentine, one-third surpentine and twe-thirds oil. Polish with soft old flannel. Let it rest for an hour or two and then polish with soft intention. The result is very beautiful. If the surface is very dull, dirty and scratched, instead of washing with soap and water add more oil and sprinkle powdered rottenstone over it. Rub gently and regularly, first with a circular motion and then with the grain of the wood. When the surface is smooth and bright, wipe off the rottenstone and finish as you would after washing with soap and water.

chine worked until the grease becomes liquid, which should then be wiped off with an old duster.

wiped off with an old duster.

Kerosene is used to remove paint
stains. The stain, if on colored
clothes, must be dipped in the coaloil and rubbed between the hands,
then washed in soapy water.

Creaking dcor hinges should be
rubbed with a feather dipped in
kerosene. This simple treatment will

stop the noise.

Grass stains on table linen yield to kerosene. If you have spilled grease on your hardwood floor, to get rid of it oil the floor all ever with kero-

Try a few crops of kerosene in your starch; the clothes will iron much easier and have a trilliant polish.

#### ... A Word About Icing

wipe off the rottenstone and finish as you would after washing with soap and water.

To clean the bath tub, first dry it, then rub the stains with a piece of fiannel dipped in kerosene. If the stains are very obstinate, seour them well moistened with kerosene and dipped in salt. Afterward remove all traces of kercsene by washing it thoroughly with hot water and soap.

If the sink gets greax, a little kerosene well rubbed in will make it clean.

Zine buckets and tins, if cleaned with kerosene, will look as good as new.

Kerosene is also used to dissolve grease that has hardened on metal-work of magles and wringing machines. The metal-work abculd be olded with the kerosene and the machines. The metal-work should be olded with the kerosene and the machines. The metal-work should be olded with the kerosene and the machines. The metal-work should be of the cake is to be feed and it not the control of the cake is to be feed and it in the tother with the cake of the cake is to be feed and it in the tother with the cake of the cake is to be feed and it to the cake of the cake is to be feed and it to the cake of the cake is to be feed and it to the cake of the cake of the cake of the cake is to be feed and it to the cake of the cake is to be feed and it to the cake of the ca tin, butter a strip of paper and pin it around the cake, letting it stand about half an inch above the top. When the icing is set, remove the paper, and a neat looking cake, with the icing on top where it is wanted, is the result. . . .

#### Useful Home Remedies

Onions are almost the best nervine Onions are almost the best nervine known. They are most useful in cas-es of nervous prostration, and will greatly assist in toning up the sys-tem. They are useful in all cases of coughs, colds, influenza, scurry, and kindred complaints. Eaten every other day, they soon have a whiten-ing and clearing effect on the com-ing and clearing effect on the com-

Knitting is declared by specialists Knitting is declared by specialists in the treatreent of rheumatism to be a most helpful exercise for hands liable to beccme stiff from that painful complaint, and it is being prescribed by physicians because of its efficacy. For persons liable to cramps, paraly, sis, or any similar affection of the fingers, knitting is regarded as a most beneficial exercise.

CREAM CHEESE AND OLIVE SANDWICHES
Cream of Nerfchatel cheese beaten
until creamy, with the addition of a
little more cream, then mixed with
finely minced ripe or green olives,
makes a delicious sandwich filling; so also cream cheese mixed with finely minced green peppers or sweet red peppers that have been canned.

#### HERRING SANDWICHES

The bondess strips put up in glass jars or small boxes are convenient for these. If the herring seems unpleasantly strong, soak the strips in cold water for half an hour. After this cook them gently in a hot pan, with a little butter, and add, while cooking, a little cayenne. White bread which is not too fresh is suitable for the casing.

#### CHOCOLATE FILLING.

One cupful of sugar, 1 cupful of wa-One cupful of sugart, I cupful of water, 2 squares of unsweetened chocolate and 3 level teasp. of cornstarch. Dissolve the cornstarch in a little water taken from the cup and add to the rest of the water in which the sugar and chocolate have been boiling for about 10 min. Add a rounding teasp, of butter and a little vanilla. thoroughly and spread before it cools.

#### CANDIES OF MAPLE SUGAR

CANDES OF MAPLE SUGAR

Grate 1 lb. of the maple sugar and add to 1 cupful of cream. Stir until melted on back of stove, then cook until the syrup forms a ball when rolled between thumb and forefinger. Chop in coarse bits 2 cupfuls of butternut or other nut meats and scatter thickly over the bottom of buttered pans. Pour out the candy to the thickness of a third of an inch over the nuts, let it harden a little, then crease into squares with a knife. When cold break into candies.

#### COFFER CREAM CARAMELS

Two pounds of sugar, one cup of thick cream, two ounces of fresh butter (salt washed out), extract from two cunces of coffee. Melt the sugar with as little water as possible in a suucepan over the fire (take care to use a saucepan that will allow for all the ingredients and give room for the bubbling up); when the sugar bubbles pour in the cream very slowly, stirring also very slewly, then add the butter and the coffee, stirring gently but constantly the while. As soon as the syrup thus prepared is brittle and has a slight odor of caramel, pour half an inet hick two the summer of the strength of the strengt use a saucepan that will allow for all

#### BREAD AND CUSTARD FRUIT PUDDING

Toast two large, thick, round slices of fresh bread most delicately, spread each slice with a little tart jelly unless the fruit to be used is very tart; then cover each slice, placing one on top of the other, with fruit, either fresh or canned, and cover all with a rich boiled custard thickened slighta rich boiled custard thickened slight-lywith gelatine or cornstarch. Serve very cold with whipped cream. The custard should be flavored to suit the fruit used. For instance, if the fruit be peaches, add a very small amount of bitter almond to custard or a half cup of shredded, blanched almonds. For a mild fruit add van-illa and melted chocolate, or either, to the custard. to the custard.

### Reconsessessessesses Reconsessessessesses

THE COOK'S CORNER

Recipes for publication are requested.
Inquiries—regarding cooking, recipes, the Household Editor, Farm and Dalry, Peterboro, drive age:

Patterns 10 cents each. Order by number and size. If for children, give age; for adults, give bust measure for saltra. Address all orders to the Pattern Department.



The waist made of exceedingly fashionable one. This mode of the lends treed to lends treed to exceedingly fashionable one. This mode of the lends treed to lend to



GIRL'S ONE-PIECE DRESS, 6953 GRR.'S ONE-PIECE DRESS, 6853
One-piece dreeses for little girls are always pretty and are among the smartest of all things this eason. This one is closed over the shoulders, so that it is novel at the safe requires 25 yards of material 27 inches wide, 25, yards 36 or 44 inches wide.

This pattern is out in sizes for children of 4, 6 and 6 years of age.



TUCKED OVER-BLOUSE, 6904.

TUCKED OVER-RLOUSE. 6984.

The over-blouse laid in tiny tucks at the upper edge is one of the newest and prettiest. It is especially well adapted to thin materials and it can be utilized both for the entire gwan and for the properties of the prop

Here's a Home Dye That ANYONE / Can Use. HOME DYEING has always been more or less of a difficult under-- Not so when you use

DYOLA ONE DTE TOO ALL KINDS OF GOODS

0

JUST THINK OF IT!

With DY-O-LA you can color either Wool, Cotton, Silk or Mixed Goods Perfectly with the SAME Dye. No chance of using the WRONG Dye for the Goods you have to color.

GEND US 70c, deceive by return and year paint this bounding little dress make with a first paint of the state of the state

HOME JOURGEAL

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FARM & DAIRY Peterboro - Ont.

# Galt Steel Siding



'Galt'' Embossed Steel Siding, put over a weather-beaten ho barn, will transform an old dilapidated structure into a modern building-thus increasing the real estate value 50%

"Galt" Stiding makes the whole building handsome and substantial, fire-proof and weather-tight. The cost is reasonable. It is easily applied. lasts for all time

THE GALT ART METAL CO. Limited., GALT, Ont. Vatch for the advertisements The Kids from Galt.



STATED TENDERS addressed to the Postmaster General, will be received at Ottawa until May, 1911. for the ownerstance of His May, 1911. for the Ottawa until May, 1911. for the Ottawa until May, 1911. for the Ottawa that the Majesty's Mails on Two Troposed Contracts for Four Years, May Times per week each, between week each, between 1911. FETERBORO and FOWNER'S CORNERS. 2 PETERBORO and (He TOWNSHIP OF NORTH MONAGHAN.)

NORTH MONIGHAN
both over certain pecified roads, dating
from the Postmaster General's Pleasure
Printed notice the Contract of proposed
Contracts, may be seen and of proposed
Contracts, may be seen and forms of fender may be obtained at the forms
of fender may be obtained at the STELLEGORO and at the Office of FOWLER'S CONTENTS and
PETELBORO and at the Office of the Post
Office Inspector at KINGSTON
G. C. ANDERSON,
G. C. ANDERSON,

Superintendent Mail Service Post Office Department, Mail Branch, Ottawa, 17th March, 1911.

### Books on Alfalfa

The Book of Alfalfa by Coburn, Price \$2.00 Alfalfa in America by Jos. E. Wing, Price \$2.50

Worth their weight in Gold. Handsomely bound, large books. ought to have one or both of them.

BOOK DEPT **FARM & DAIRY** PETERBORO. ONTARIO

WINDMILLS **Towers Girted** every five feet apart and double braced Grain Grinders

Pumps Tanks Gas and Gasoline Engines Concrete Mixers

Write for Catalogues GOOLD, SHAPELY &

MUIR CO., LIMITED BRANTFORD - CANADA BRANCH OFFI WINNIPEG, MANITOBA

#### \*\*\*\*\*\*\*\*\*\*\* OUR FARMERS' CLUB Correspondence anymed

NOVA SCOTIA COLCHESTER CO., N.S.

TRUBO, March 17.—Of late years there has been a tendency towards keeping less stock, selling hay and buying commercial fertilizers and slag, a ruinous policy. Now that hay has reached a very low Now that hay how a commun poursy.

Now that hay how a change. With finished farm produce a change. With finished farm produce it rather strategy and the strain of the str

trade agreement that will not—taking everything into consideration—benefit us. Apart from some few favored farmers, who own large tracts of marsh or dyked lands, selling hay is a ruinous policy for any farmer to follow.—A. H. C.

PRINCE EDWARD ISLAND

KING'S CO., P.E.I.

KING'S CO. F.E.I.

CARDIGAN BRIDGE. March 15—The sinter just passing has been the coldest no P.E.I. for many years. The coldest no period of the property of the passing has been the coldest not seen as coming milder now, and old going accounting his rays of light and heat ver this beautiful "fale of the Sea." he winter iceboats have been making airly regular trips. The close cold weather than the property of th over this t The winter iceboats have been making fairly regular trips. The close cold weather has been very trying on cattle, but fodder is plentiful and stock will come through all right. Hay is \$8.50 to \$9; through all right. Hay is \$8.50 to \$9; through all right. Hay is \$8.50 to \$60; through all right. See the control of the con

PRINCE CO., P.E.I.

PRINCE CO., P.E.I.
RICHMOND, March 14.—The people are
all busily engaged hauling mussel mud
which is considered a good fertilizer.
The weather is fine, with very little snow.
Stock are wintering well. There is lots
tock are wintering well. The weather is fine, with very little anow. Stock are wintering well. There is lots of feed. Heavy horses are in good demand, ranging from \$150 to \$250 accordmand, ranging from \$150 to \$150

QUEBEC

COMPTON CO., QUE. COMPTON CENTRE, March 14.—We have seen having splendid weather this month, been having splendid weather this month, but it is rather stormy now. A few farmers tapped their sugar bushes and have made a little syrup, but not much, mount and the sugar bushes and the football of the season. Pork has doubted it is so a lb.; eggs, 25c: butter, 25c. Il. 10.

ST. JOHN'S CO., QUE.

ST. JOHN'S CO., QUE.

LACOLLE, March 17.—We are about to the end of a long and beautiful winter-but if the old saying that when "March comes in like a lamb, it will go out like comes in like a lamb, it will go out like a lamb, and the say like a lamb, and a lamb to a lamb price is night; pora is more. Horses are cheap compared with beef. Horses are dear, the price seems to depend on how bad the purchaser wants them, exorbi-tant prices being asked.—G. F. E.

ONTARIO CARLETON CO., ONT.

BRITANNIA BAY, March 14.—Spring has made its appearance, which is gladly welcome. Roads are beginning to break prices, and the season of the s

HASTINGS CO., ONT.

HASTINGS CO. ONT.
BRONSON, March 17.-We have had good meetings of user farmers' club throughout the season and have endeavored to push eo-operation along the times of poultry, hacon home potatoes, and horse breeding. We how the get the farmers in this whole district get grant gr

variety of potato, and go in more exten.

Sirely for poultry. Through our Farmers'
and the poultry of poultry. Through our Farmers'
month to 70e to 70e bag; eage are 20e and
the spring of Mamble we succeeded in purchessing a large number of succeeded in getting a large number of succeeded in getting a large number of control of the spring of the spri line. We will influence many farmers to go in for a single variety, to grade the stock, and ship in carloads. We have an excellent potato soil. We have an grateful for the help received from Mr. A. D. McIntosh, who is doing great work among the farmers here.—Wm. Kerr.

PETERBORO CO., ONT.

PETERBORO CO. ONT.

A 5100 crop per aren't grown reperally on the farms of Peterbor Computy would raise the value of farm land amount when the general prosperity in the county acrop is not well be reckoned. Such a crop is not well be reckoned. Such a crop is not grown in the county of the computer of

ly be announced, yatunous prices agiven, or York et-te, on land quite similar, and the prices are supported by the prices and the prices are supported by the prices are proposed by the prices are prices are

mers to grow tans great money making Pull instructions in regard to the uniture of alfalfa will be furnished an appecial series of articles in Parm as appecial series of articles in Parm as part of the Series appears on the pull of the Company of

LASSWADE, March 22.-We have had a very fine, cold, steady winter. The majority of farmers have taken advantage of the good roads by haulting logs lumber, and telephone poles. Hay is a good price at present, \$17 a ton. Eggs are selling for 15c, and butter, 20c.—M. W.

DURHAM CO., ONT.

MIDDLESEX CO., ONT.

MIDDLESEA VO. Vo. TEMPO. March 22-We have had a leasant winter. The snow is all gone. It is not stated in the maple groves. Cattle have come hrought in splendid condition. There is not should be a supplemental to the state of the maple groves. Cattle have come hrought in splendid condition. There is no supplemental to the state of the state Syrup making is in progress in many of the maple groves. Cattle was come throught in splendid condition. There is abundance of feed. The fall was made and abundance of feed. The fall was took rather rusty, but a warm abundance of doubt revire it up nicely. Farm stock sales are occurring frequently. When the same are changing owners. Including the same production of the same production. The same production of t

BRUCE CO., ONT.

WALKERTON, March 16.-We have had WALKERTON, March 16.—We have had fine spring weather this last week, but yesterday and co-day we had severe enough storms and read withry weather. The to encourage storms and read with year, but the concessions are now mostly bare, but the replace in side roads are in good shape for sie ghing better crops.

E. F. SINCOE CO., ONT.

ELMVALE, March 33.—March continues
cold. Sleighing fairly good. Fodder
is plentiful. is fairly good. Fodder
is plentiful. is good of hay is for
sale. Unless the cold weather be very
prolonged, there will be weather be very
prolonged, there will be weather be very
prolonged, there will be weather be very
prolonged. The weather be well as the cold was
not hand when the new comes in.
Live stock are in good condition.—C.8.1.

BRITISH COLUMBIA

NEW WESTMINSTER DIST., B.C. NEW WESTMINSTER DIST, B.C. ORILLIAWACK, March I, The preparation for seed planting is in full swing on many farms. The trees are likely and the property of th the spring's work. Railroad work is pushed along lively and everybody and scason.—J. C. 

#### AYRSHIRE NEWS

Farm and Dairy is the recognized exponent of the Dairy interests of Canada Breeders of Ayrshire Cattle and all makes of the Canada Ayrshire of the Canada Ayrshire of the Canada Ayrshire interest of Ayrshire breeders of interest to Ayrshire breeders for publication in this column.

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JOTTINGS FROM THE SECRITARY'S

W. F. Stephen Huntingdom, Quebec,
We, the Ayrshire Breeders of Canada,
should be a state of the stephen stress on superior inling. We must discriming and breeding. We must discriming and breedhunting and breedmin and breed

Dairy tests were held as usual at our three winter fairs. Ayrebires did well, and at Ottawa Barasekie Lucky Girl. owned by R. R. Ness. As he with the control of the contro d6.139 points, while the scored 230.599 points.

I take pleasure in reporting a balance on hand of \$1.479.70 with \$7.99 due us by the Record office on last year's work.

In enecord once on last years work.

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I would remind sou that syrshie in.

I would remind so the sound so that syrshie in.

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On page 10 of Farm and Dairy of Febru. On page 10 of Parm and Dairy of Febru. ary 16th, it was announced: "That \$100 would be given by the Ayrabire Association for an Arrabire Association for an Arrabire Association for an example of the state of the february and februa

GOSSIP

PRIZE OATS CONTEST

Through the Iowa Corn Growers' Association, International Harvester Company of America has offered the farmers of lower or the amount of premiums ever given for the amount of premiums amount of the sever given for the amount of premiums amount in the lower of the sever given of the several of the sever PRIZE OATS CONTEST

MAR \*\*\*\*\*\*\*

Toronto, Mondines of business condition of the most potent he state of transparent of the state of

This is the set tions figure ver the prices of v kept hot by the the market goes are favorable are favorable prices have seveek but have low level. The an effectual but the local mark been steady at 2%c. Ontario demand either f millers. No. 2 '80 to 81s outsiket fall wheat 75s to 76c. CO.

Trade in co.

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Trade here in
week's quotatio
\$25.50; shorts,
shorts, \$24.50;
\$39 and oat m
the Montreal n
mill feed left.
Ontario bran u
tations: Manito
\$23 to \$25; Onta
\$24 to \$25; cori
\$1.55 per 90 lb. The following

The following seed merchants per bushel, \$7 to \$7.00; alsike clover, No. 2, No. 3, \$5.00 to cleaned, \$6.25; cleaned, \$12.25 POTAT

Trade in pote are steady at I sale quotations tarios out of s sale quotations tarios out of s lots; Eastern l store. On the a noticeable in trade and price on last week's
potatoes sell at
Beans here ar
and \$2 a bush
Montreal mark
car lots are qu FRUIT

Prices for fr follow: On the are selling at ing to quality. bring 40c a b 50c; celery a d 20c to 40c each Trade is nor Good washed v to 22c and un

No. 1 inspec No. 2, 8½c; N Prices for cour 8c to 8½c; gre 81 to \$1.25; co No. 1, \$3; and lb. On the M

lb. On the hides are quote se. Calf skins

peas has

for very hay

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4 on

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#### MARKET REVIEW AND FORECAST

Toronto, Monday, March 27, 1911.—All rounds with new root as good emaconable trade swith new trade coming in well. The condition of the country roads is always he may be remained to the country roads is always he may be remained to the country roads is always he may be remained to the country roads is always he may be remained to the country roads is always he may be remained to the country roads in the case of the road remained and remained to the remained to the road of the road

Call money in Toronto rules at 5 per cent.

WHIAT
This is the season when weather conditions gare very largely in determining the prices of wheat and the wires and the result of the prices have seen and the result of the prices have seen up or down as reports are favorable or unfavorable. Wheat prices have seen sever left their uniformly low level. The large world's surplus is an effectual barrier to higher press. As a second of the prices have seen sever left their uniformly low level. The large world's surplus is an effectual barrier to higher press. As a second of the prices were left to the large world's surplus is an effectual barrier to high with small demand of the prices. No. 2, 99/sc. No. 3, 25/sc. Ontario wheat is quoted at 80 c. 3 miner wheat is quoted at 80 c. 3 miner wheat is quoted at 80 c. 2 miner wheat is produced at 80 c. 2 miner wheat weeks quotations. General quotations are as locities of the prices of the second prices. The second prices were as follow; Oats. Canada western No. 2, 20 c. No. 4 miner means as follow; Oats. Canada western No. 2, 20 c. No. 4 miner was a follow; Oats. Canada western No. 2, 20 c. No. 4 miner was a follow; Oats. Canada western No. 2, 20 c. No. 4 miner was a follow; Oats. Canada western No. 2, 20 c. No. 4 miner was a follow; Oats. Canada western No. 2, 20 c. No. 4 miner was constituted and the prices of the second prices

MILL FEEDS AND MEALS

MILL FEEDS AND MEALS
Trade here in mill feeds is firm at last
week's quotations: Manitobs bran, \$23 to
\$2.5.9; sborts, \$24. Outario bran \$32.5
storts, \$24.50, storts, \$24.50,

10 SE corr 20 th seasons to the control of the cont

Trade is normal and prices unchanged. Good washed wool is quoted here at 21s to 22c and unwashed at 13c; 16c for re-

No. 1 inspected steers and cows, 9%c: No. 2, 8%c: No. 5, 7%c. Calf hides, 13c. Prices for country stock are, hides cured, 8c to 8%c: green, 6%c to 8c: sheep skins, 81 to 81.25; calf skins, 11c. horse hides, No. 1, 83; and horse hair, 53c to 5c s. hides are quoted at 1c. No. 2, 9c; No. 3, bildes are quoted at 1c. No. 2, 9c; No. 3, 6c. Calf skins 10c to 12c; lamb skins 81.15

and 6%c in bbls.; strained clover honey, 10%c in 60 lb. tins and tic in 10 lb. tins; no. 1 comb honey is quoted at \$2.50 a dozen.

HAY AND STRAW

HAY AND STRAW

Prioss for hay and straw on the Toronto market remain unchanged. Wholesale quotations are No. 1 timothy, \$11 to
\$15 mixed, \$9 to \$11, on track here; straw
\$5.50 to \$5'. on track here; straw
\$5.50 to \$5'. on the \$15 and \$0'. 2, \$9 to
\$14; straw, bundled, \$16; loose, \$7.50. on
the Montreal market trade in dull. Hay
of first-class quality is scarce but interor grades are couning in in large quantitiese. No. 10, and No. 3, \$5.50 to \$5'. No.
2, \$5.50 to \$10, and No. 3, \$5.50 to \$5'. No.
2, \$5.50 to \$10, and No. 3, \$5.50 to \$5'.

DAIRY PRODUCE

From the point of view of the producer the market for dairy produce is the most encouraging of any. Othere grades tations.

The producer the market for the producer taken to the producer of t DAIRY PRODUCE

EGGS AND POULTRY

EGGS AND POULTRY
Prices of eggs continue to decline rapidy. A further drop of two cents having
been mutained this past week. This is
adian eggs coming in. Wholesale quotations to strictly new ladd are liet to
the farmers' market. On the Sourcea
market there has been an active demand
tor eggs and prices have under the market
tations are fall to 22c and 155/e to 10c
Lobert Strong, with suppuse moderate, Clinck

The demand for dressed poultry here is strong, with suppuse moderate. Clinci, ens are quoted at 16c to 16c a lb.; fowl, 16c to 16c, live weight, 1 to 2c less. Yur-keys on the farmers market are quoted at 26c to 2c; clincess, 19c; spring crinc-ens, 36c; and 10w, 16c to 16c. On the Montreal market turkeys are 10c to 16c; geose, 16c; ducks, 16c; chiosens, 15c; and 10w; 14c.

#### HORSE MARKETS

HORSE MARKETS

The feature of the horse market is the good demand for horses, bartcuarry usery grangers, offset by unwinningness that the season of the seas

#### LIVE STOCK

Very discourraging indeed was the outlook for catte a ween ago to.day, Pricos were down to a low water mark. The very best quantity of export steers sold for export eaties, the very best quantity of export steers sold for export eaties,—the bulk of the trading being done at \$5.50. Buttoner catte were export eaties,—the bulk of the trading being done at \$5.50. Buttoner catte were admittedly due to light receipts, which could be to the export and the steer of the trade o

still further declines.

A surprising feature of last week's markets was the light demand for milk cows that was the light demand for milk cows this eason of the year. Choice milkers were queted at 80 to 870 and common to medium, 830 to 860. Trade in sheep and lambs was active with supplies scarce. Even are quoted at 84,50 to 85 and bucks and culls at 8 to 9 MS; years and bucks and culls at 8 to 9 MS; years to 18 to 85.00 to 87 and spring lamus, The how swarts.

ling lambs, \$6.50 to \$87 and appring lambs, \$6.50 to \$8. and spring lambs, \$6.50 to \$8. and \$6.50 to \$6.50 t

MONTREAL HOG MARKET

MONTHEAL HOG MARKE!

Montreal, Saturday, March 25.—The demand here for live hogs this week was decidedly active with the market frame, cwt. over the quotations current last week. Selected lots sold at \$7.40 to \$7.50 a cwt., weighted off cars, in the selection of the selection o

EXPORT BUTTER AND CHEESE

Montreal Saturday, March S.-There is a regards the market for cheese. The position is unchanged so far as the Ganadian market is concerned, but advices and over and are all fit for service. Two that the shipments from New Zealand that the shipments from New Zealand that the shipments from New Zealand the large quantity of cheese expected from that colony will not makerialite this year, the shipments on the iderable decrease from the total reached last year. Prices have been marked up Into its all avound during the past for last year, the shipments of the price of the property of the proper EXPORT BUTTER AND CHEESE

from some of the markets across the line, and these will probably help to make up for the shortage in the supply of the shortage in th

### POSTPONED AUCTION SALE

40 High Class Registered Ayrshires

Wednesday, April 5th, 1911 at 1.30 p.m., at

Hillview Farm, Vernon, Ont.

Winchester Station, C.P.R.

On account of the storm this sale has been postponed from March 22nd until April 5th. Conveyances will nest morning trains. To be sold without reserve, the entire herd, consisting of 20 females either in milk or in calf, 10 heifers from one to two years old, 10 Calves thulls and heifers, herd bull Gehnburst Manis 2 years old. Catalogues on application. Terms: 8 months credit on bankable paper, or 4%, off for cash.

Thos. Irving, Auctioneer.

A. KENNEDY & SON VERNON, ONT.



Peter Hamilton Drill leads others. The Seed Mechanism is constructed to insure uni-

formity and accuracy. Our Patent Lever for adjusting the hoes is built for con-

venience and ease in op rating. Discs or Hoes, whichever you like.

Ask anyone who has used a Peter Hamilton machine about the satisfaction it has given.

See our agent or write for Catalogue F.

The Peter Hamilton Co., Ltd. PETERBOROUGH, ONT.

it is desirable to mention the name of this publication when writing to Advertisers

#### AYRSHIRES

HIGH CLASS STOCK FOR SALE Ayrshire cattle, all ages. Yorkshire Boar. 20 months. Clydesdale stallon, 2 years. Standard bred filles, 4 and 5 years. Ap

HON. W. OWENS, ROBERT SUTTON PROPRIETOR MANAGER
Riverside Farm, Montebello, Que

### SELECT AYRSHIRE BULLS



A pair of choice calve dropped in March and Ap ril 1910, both from Re cord of Performance dams testing high in but ter fat.

W. W. BALLANTYNE Stratford, Ont.

#### BURNSIDE AYRSHIRES

AM LEAVING FOR SCOTLAND after lat March to make a large importation, Any orders entrusted will be atlanded to, Agents there have tweet and of helters and cows by the formal control of reshead of helters and cows the tweet of reshead of helters. H. R. NESS, HOWICK, QUE.

#### CHOICE AYRSHIRES

Write for prices, etc., on imported Ayr, shires. We see now buying in Scotland for Spring delivery. Over 20 bought as a result of our October visit. First sholes of 1910's crops of Bulls and Heifers. High-

or laws crops of Bulls and Heners. High-est Records.

Home Offering—A few very choice Bull Galves. Two fit for service.

ROBT. HUNTER & SONS, Maxville, Ont.

### "La Bois de la Roches" Stock Farm

Here are kept the choicest strains of AYRSHIRES, imported and home bred YONESHIRES of the best bacon types. WHITE ORPHINGTON, WHITE WAR. DOTTES and BARRED
HON. L. J. FORGET, J. A. BIBEAU,
Proprietor Manager
Ste. Agne da Bellevue, Que.

#### Ayrshires

World's Champion herd for milk and production. Some young bulls and bull calves, all from R.O.P. cows for sale. A grandson of Primrose of Tanglewyld in the iot. Address WOODDISSE BROS., Tanglewyld Farm ROTHSAY, ONTARIO

THE SPRINGBANK HERD OF AYRSHIRES

# Contain more world's Champion milk and Contain more world's Champion milk and butter producers than any other herd it America. Four choice buil caives for sale out of large teated heavy producing dams

A. S.TURNER & SON

Byckman's Corners, Out

#### CHOICE AYRSHIRES

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FOR SALE—One bull mouths. Several
choice bull calves, to grand good cows
and heifers, good tears, to
groducers. Hecord of Port several
specialty. Also choice large pure with
specialty. Also choice large pure with
strain. Satisfact at 2.00 each, Martin's
or come and see.
or come and see.
WILLIAM THORN, LYNEDOCH ONT.
Long Distance Phone in House.

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

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

RIDGEDALE HOLSTEINS. For full partie ulars in regard to stock and prices, ad dress R. W. Walker, Utica, Ont.

during twelve months.

A GOOD DAY'S PRODUCTION A 600D DAY'S PRODUCTION

A 600D DAY'S PRODUCTION

Billion, Farm and Dairy,—Two of my

tyrshire gain inone day recently gave

pounds minone day recently gave

pounds minone which made 6', lba.

f butter by actual which made 7', lba.

give 69 lbs.: the other 20' ac 2nd.

(b. 16,584 in two milkings 20' ac 2nd.

his milk we weighed, separated and

#### BECAUSE THEY ADVERTISED

Luck, at best, is an uncertain quantity, and it in no wise fully explains the success that many explains the success that many breeders have achieved in build-ing up herds and flocks from which profitable sales are ever readily made. Rather has their success been due to the fact that they grasped opportunity as it they grasped opportunity as a came before them; they grasped the opportunity of advertising and through their advertisements they told their fellow breeders of the kind of stock kept and which they had

for sale.

Consider the successful breeders you know! Which of them came to the front in the shortest came to the front in the shortest space of lime? Do you know of some breeders who got there, as it were, on the "double-quick," and in getting there out-stripped many older breeders? We do. And we know how they got there. They advertised. They had "the goods," and they let the people know about it. the people know about it. Don't wait for any wave of

Don't wait for any wave of prosperity, and don't wait for luck to land you in the front ranks of the successful breeders. Don't wait on these uncertainties to sell ties to sell your surplus live stock—you will most likely meet stock—you will most likely meet with disappointment. You can make sure of the sales you wish to make if you will but adver-tise. You can advertise most tise. You can advertise most effectively and economically in Farm and Dairy. We charge you only our low flat rate of 98 Cents Per Inch per insertion. No matter if you only come but once or twice we charge you only once or twice we charge you only 98 cents per inch. Authorize Farm and Dairy to place an ad-vertisement for you in these col-umns. Write us now about the

churned and the following day in exact weight we got \$\circ\$'. Ibs. of butter from it. I think this is a pretty good recognition of the following the following of the following days and the following days are to be taking a great boon. In fact seem to be taking a great boon. In fact seem to be a great food. In fact a teight years—I of Connor, we defined the following days are the following the

Editor, Farm and Dairy.—Rosalind of Old Basing, the Champion milk and but-ter Jersey cow of Ganada, bred and but-ter Jersey cow of Ganada, bred and pro-gress in the making gratifying pro-portion of the property of the pro-portion ber month-older that the February 24, 1910, giving 671,84 bs. Dutter in the

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Cards under this head inserted at the rate of \$4.00 a line per year. No

sard accepted under two lines, nor for less than six months, or 26 insertions

Estados vivinte montan. Estados proposados por estados SUNNYSIDE HOLSTEINS-Young stock, YORKSHIRE AND TAMWORTH HOGS-all ages.—J. M. Montile & Son, Stanstead, Quebe. Plymouth fock and Orphigton fowl.—A Dynes, 4M Parkdale Are Otlawa.

year. She started another official test three months from that date only \$2,2 the started points of the starte

#### REDUCING ROOF COSTS

REDUCING ROOF COSTS

The roofing problem has always been a vezatious one for the farmer. On branch and sheds he needed a light weight ross and sheds he needed a light weight ross and sheds he could lay himself without he will be a supported by the state of the last last roof the property of the proper

expensive.

All this has been changed in recent years by the appearance in the market of Amattle Rodfins. Our readers can obtain a sample of Amite without charpe by addressing the near of the or The Paterson Manufacturing Company, Limit. (A, Montreal, Toronto, Winger, Van. couver, St. John, N.B., Hallfax, N.S.

#### TRUE FENCE ECONOMY

TRUE FENCE ECONOMY

Noo many purchasers of wire tensing do not look far enough beyond the first cost. If they would only realize that when the cost if they would only realize that when they would not be many feet of wire, they would not so many feet of wire, they would not so many feet of wire, they would not not so many feet of wire, they would not not so many feet of wire, they would not not so that the feet of the feet

The Banwell Hoxie Wire Fence Co. The Bahwell Hoxle Wire Fence Co., Ltd. have offices and factories in both Winnipeg, Man., and Hamilton, Ont. A request sent to either of these addresses will bring their descriptive booklet.

#### AUCTION SALES

AUCTION SALES

The advisability of holding annual public auction sales of stock like the one his auction sales of stock like the one his auction sales of stock like the one his accordance of the sales and sales are sales and sales and sales are sales are sales and sales are s

such astes should be encouraged.

Prof. International of Macdonald College, said that the most of Macdonald College, said that the most of the most of

Cyron os Parkale Are Ottawa.

CLYDE HORSES, SHORTHORN CATTLE—
Young stock for sale at all times—S. P.
Redmond, Peterboro, Out times of times.

Crosshill, Out. The special prizes of \$500.00 each given by the Canadian Mational Exhibition, To. ronto, in the Canadian Mational Exhibition, To. ronto, in the Canadian Mational Exhibition, To. ronto, in the Canadian Control of the Canadi 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. ORMSEY GRANGE STOCK FARM, ORMS-TOWN, P. QUEBEC. — Importation and breeding of high class Clydectales a spec-laity. Special importations will be made — Dunean Makachran.

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Prof. F. G. Hely Mt. Herman School Herman, Mass., w Herman, Mass., write "We could not get along without Warriner Stand-ions." "We could not get along

without Warriner Stand-lons."

Mend address for ho to Sand address for ho to Canada and the standard of the form of All correspondence should from canadian factor.

All correspondence should from canadian factor glade in inquiry if you prefer booklis in Francis or Fagil'is

#### AYRSHIRES

AYRSHIRE BULLS

Young Bulls all ages up to one 3 three fit for immediate service, all from R.O.P. stock. Write for prices.

JAMES BEGG. ST. THOMAS, ONT.

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Brookside Ayrshires from dairy test winning dams.

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Eight Choice Ayrahre Bulls fit for service; two herd headers, from Famer, vice; two herd headers, from Famer, from Gemantics Herd. Sired by Drogan Mains Gemantics of the Six from Heavy Milking Six from Heavy Milking Six each. Six from Heavy Milking Six each construction of Bull and Heifer calves and a few young sors. D. LEITCH & SON

CORNWALL, ONT.

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

HOLSTEINS AND TAMWORTHS FOR SALE. Seven bulls from 5 months to i5 months; 65 pigs, either sex, all ages; write for prices. Phone in residence, con-nection via Cobourg.

BERTRAM HOSKIN, The Gully, Ont.

TAMWORTHS AND SHORT HORNS FOR SALE I ADPRIUNI NO ARIU SHUMI HUMBO PUH OALL Several choles young flowe sired by Imp. Bear, dame by Coung flowe sired by Imp. Bear, dame by Coung flower of the control of the coung champion board by International Coung and the country of the coung lared sows. A few very flow few manufactures of the coung strake the country of the country o A. A. COLWILL, Box 9, Newpastle, Ont.

#### FOR SALE

TWO JERSEY BULLS FOR SALE, REGIS. TERED-One yearling fit for service, 1 six months old bred from best milking strains. For further particulars address WM. H. YOUNG -TAVISTOCK

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Metal Stock Ear Labels with Stock Ear Labels
With name and numbers—for
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#### Farm and Dairy would like to purchase Yorkshire Boars, Poland

China Sow and Boar, and Ayrshire Heifer Calves from 6 to 8 weeks old. Write Circulation Manager FARM AND DAIRY Peterboro, - -Ontario

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March 30, 10 HOLS

WOODCRES for sa old.

and 22nd. T. S. S. Inspector

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PLEASANT VI dairy test. The ca of Riverside.

DON'T

dess you want Ay sting registered Ho m same, sired by dege Butter Boy 112 bs. new 112 lbs. per day. Holstein B

One highly bred yes

nicely marked, te. Good size ar quick sale. R. W. JOHNSTON, FOR .

Two two year old I Price \$75 each. FOR

Holstein bulls of el adividuality, all ages fred by King Mercer de who is also for the silver medal her on for the year 190 W. E. THOMSON, WOODSTOO

HOLSTEINS On the Maple Stock aking g ors. Also a few young rice. They are all of a good backing. We invited. Trains met at ised. Purchaser can he herd. WM. SLAGH

RIVERVIEV Offers Rull Calf born Sire Sir Anggle Beets pedigree average 25.60 | P. J. SAI L

HOLST I am offering my Stock Posch Pietertje C., rising son of Sir Hengerveld Teh R. of M. cow. Telephone A.C. R. JAMES,

FOR S

wo pure bred Holstei inly tested dams, nelia's Posch which Merit." Write or pho . WATSON, • PI WM. WATSON,

BILL SUMMER HIL

More high record covers in any other in Cana over 27 lbs. hutter in Cana over 27 lbs. hutter in 7 decreased. The self-record of the cover 27 lbs. hutter in 7 decreased. The cover 26 lbs. hutter in 7 decreased in 18 mil Calf from a 25 lbs. hutter in 26 lbs. hutter Phone 2471, Hamilto

D. C. FLATT & SON, -

0, 1911.

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#### HOLSTEINS **WOODCREST HOLSTEINS**

A few choice Bull Calves for sale; six to ten months dol. Sons of Homestead Girl De Kol Sarcastic Lad, and grandsons of Pietje Recently tuberculin tested by Res. Inspector. Write for pedirece and prices.

WOODCREST FARM

RIFTON; ULSTER CO., - - NEW YORK PLEASANT VIEW HOLSTEINS

Transfer all four full all services the service this spring from highly ded stock from Record of Performance was One of these bulls is from Prince with One of these bulls is from Prince kiel Posch, son of Lady Agrie De Kol Osch, the other one is from Sir dairy test. The other one is from Sir and the other one is from Sir and the other one of the other one of the other one of the other of the other one of the other ot

DON'T WRITE

nics you want A1 Imported and High estina registered Holatein cows or calves on same, sired by Inn. Sir Houroti-elace flutter Boy with official backing. 112 bs. per day. Prices moderate. N. HOWE. GLENWOOD STOCK FARM. CRAMPTON. ONT.

Holstein Bull For Sale

One highly bred yearling Bull fit for ser-ice, nicely marked, more black than thite. Good size and thrifty. Price \$50 or quick sale.

R. W. JOHNSTON, - BOSTON, ONTARIO

FOR SALE Two two year old Holstein bulls, sons of thaterlander De Kol Butter Boy, No. 4710. ice \$75 each.
A. GILLESPIE, ABBOTSFORD, QUE.

#### FOR SALE

Holstein bulls of choicest breeding and udviduality, all ages, from my best cows ared by King Mercena Posch four years d, who is also for sale. My herd was he silver medal herd for milk produc-ion for the year 1907.

W. E. THOMSON, LESLIE FARM WOODSTOCK, ONT.

HOLSTEINS FOR SALE On the Maple Stock Farm we are offer-ng a number of young cows in the advan-ed register making good records for heif-

ced register making good records for helf-res. Also a few young bulls ready for ecr-vice. They are all of a superior type with good backing. We invite inspection of our herd. Trains met at Waterford when ad-vised. Purchaser can have his choice of the berd. WM. SLAGHT, BEALTON, ONT.

RIVERVIEW HERD Offers Rull Calf born February 14th. 1910
Sire Sir Aaggie Beets Segis. Six dams in
pedigree average 28.60 lbs. in seven days.

P. J. SALLEY

Lachine Rapids, Que

HOLSTEINS

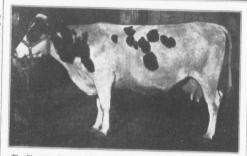
I am offering my Stock Bull, Son of Prince Posch Pietertje C., rising three years. Also a son of Sir Hengerveld Tehes, one year old, from R. of M. cow. Telephone connection. C. R. JAMES, Thornhill, Ont.

#### FOR SALE

Two pure bred Holstein bull calves from officially tested dams, sired by a son of Cornelia's Posch which is in the "Record of Merit." Write or phone for particulars, WM. WATSON, PINE GROVE, ONT.

#### BUY SUMMER HILL HOLSTEINS

More high record cows in our herd than n any other in Canada. We have at resent five helfers and cows averaging ver 27 lbs, butter in 7 days. 1 Bull Cafe reserved by the day. 1 Bull Caff from a 25 lb. Junior and four car old.



The Champion Record of Performance Cow-24,000 lbs. Milk in One Year The Holstein cow, "May Echo," owned by F. R. Mallory, of Frankford, Ont., This Holstein cow, "May Echo," owned by F. R. Mallory, of Frankford, Ont., the state of the state of



A Daughter of May Echo, Worthy of Her Great Dam

This cow, "May Echo Verbelle," a daughter of the champion cow shown at seven days in an official test. She made this recent and over 24 lbs, butter in seven days in an official test. She made this record shortly after dropping twil caives in January. She is the dam of the first literated below.



Another Wonderful Producer-Granddaughter of May Echo

Another wonderful froducer—Grandauguster of may Leno
This cow "May Echo Syava" recently completed an official seven day record of
order of the butter at one year. It months old. This is believed to be the world's
when the acow at that age. This cow is owned by M. E. Maybee, of Trenton,
which is to be sold at the Believille Consignment Sale, April 7th.
which is to be sold at the Believille Consignment Sale, April 7th.

If buil calf from a 25 lb. Junior and four year old.

1 Buil Calf from a 25 lb. three year old.

1 Buil Calf from a 26 lb. three year old.

1 Buil Calf from a 26 lb. three year old.

1 Buil Calf from a 26 lb. three year old.

1 Buil Calf from a 26 lb. three year old.

1 Buil Calf from a 26 lb. three year old.

2 COSSIP

2 A new book in connection with the growth of rural telephone companies throughout the Dominion has recently appeared in the market. This book is of salvent and the part of the

#### HOLSTEINS

#### HOLSTEINS



if you are wanting HOL-STEINS, any age, either sex, write:
GORDON H. MANHARD,
Manhard, Ont.

EVERGREEN FARM HOLSTEIN HERD



EVERGREEN FARM HOLSTEIN HERD

Has at its bend Veistra Triumph (imp.) 3771, whose dam
gave in 1 day 104/3, lbs milk,
and bis sire's dam gave 104
lbs. in 1 day.
wonderful prepotency. We
on supply you with what
anteed as represented. Some of the service of the s

#### MERTON LODGE STOCK FARM

We are now offering choicely bred Hol-stein Bull Calves at rock-hottom prices, sired by our imported bull "fone Oak Paul De Kol" and out of Grand Daugh-Person of the Calves of the Calves of the We are the great "Hengered De Kol." We are the properties of the Calves of the registered Tamworth pirs for May de-livery of true bacen type. We prepay express and guarantee safe arrival. Prices right.

W. W. GEORGE. - CRAMPTON, ONT. Station and phone, Putnam, Ont.

#### Lyndale Holsteins

We are now offering two young bulls fit for service, one from a 20 lb. Junior 3 year old and sired by a son of a 28.87 lb. cow. Both bulls are good individuals light in color.

BROWN BROS., - LYN, ONT

LAKEVIEW HOLSTEINS
Buil calves sired by Count Hengerveld
Fayne De Kol, who is brother of the two
Freat cows, Grace Fayne ind Homestead,
548 Hos. butter to 7 days, and De Kol
769 Hos. milk, also 150,77 to days, and
760 Hos. milk, also 150,77 to days.
These calves are from A. R. O.
cows with records of 10 Ds. Telephone.
T.F. OSLER, Bronte, Ont.

FAIRVIEW FARMS HERD

FAIRVIEW FARMS HERD

— HAS FOR SALE—

Sons of Pontiao Korndyke, sire of the tworld's record one Pontiac Clothide Da 
tworld's record one Pontiac Clothide Da 
the sire of seven daughters whose 7 day 
records average 31.13 lbs. each, unequalled 
by the daughters of any other sire of the 
youngest bull of the breed to sire a 30 
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HOLSTEIN CATTLE
THE MOST PROFITABLE DAIRY SREED
HIUSTRATED DESCRIPTIVE BOOKlets Free
HOLSTEIN-FRIESIAN ABEN OF AMERICA
F.LHOUGHTON, SECV. BOX 149, BRATTLEBORO, VT
55-8-11

ELMDALE DAIRY HOLSTEINS ELMUALE UNITY HOLSTEINS
POR SALE-Pone yearling hull, and bull
calves, sired by "Paladin Ormsby,"
whose 3 nearest dams average over 22
lbs. butter in 7 days, and from dams
with good records, one 16,60 lbs. in 6
months, and 7 day A. H. O, record 20,69
butter 80 days after calving
FRED CARR, BOX 115, ST. THOMAS, ONT.

### **GLENSPRINGS OFFERS**

Six fine pure bred bull calves from two to 10 weeks old. Every one from an officially tested dam. Color markings to suit every taste. Those that wish Hengerreld hood secure one of Count ierben's sone. Those that wish Carmen Silva and Alta Posch blood secure one from Inka Silva Beat Posch Trices moderate.

E. B. MALLORY, FRANKFORD, ONT.

#### HOLSTEIN-FRIESIAN NEWS

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

#### QUEBEC HOLSTEIN BREEDERS

The annual meeting and dinner of the Quebec Branch of the Canadian Holstein Friesian Association was held in Montreal, March 21st at the St. Lawrence Hall. Between 29 and 30 breeders were in at-

Between 30 and 30 breeders were in at-tendance.

Dr. L. de I. Harwood, of Montreal,
Que, the popular president, stated that
the breed had made great progress dur-ing the year. Hon. Mr. Fisher had pro-mised to instal some Holsteins on the original properties of the progress
being made was disagreed by the Properties being made was disagreed by the Mr. Steins had been purches being made was disagreed and College where they had created something of a sensation by the execu-lent returns they had given.

lent returns they had given.

Dr. Harwood favored extending the plan

Dr. Barwood favored extending the plan

of holding annual auction sales of suck.

He thought, also, that the Quebec Govern

ment might well take a leaf out of the

book of the Ontario Government and es
book of the Ontario Government and es
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property of the property of the property of the

property presents.

#### OFFICERS ELECTED

OFFICERS ELECTED
The election of Glicers resulted in all the old officers being re-elected with the addition of Mr. of St. John. Que., to the board Lord, of St. John. Que., to the board reference of Glicers include, hon. presidents, Hon. J. E. Carron, Minister of Agriculture and J. E. K. Herrick, of Abbostford, Que. pres., Dr. L. de L. Harwood, Vandreuil, Que., ist vice-pres., Def. B. week. N. St. Que. ist vice-pres., Dr. Bress, Jos. Per. Cornstown, Qui vice-pres., Jos. Per. Cornstown, Que. vide-pres., Jos. Per. Que. and, Serel, Que. vide-pres., Jos. Per. Gillespie, Abbotsford, Que.; directors, Fe. its Ashry, Marievillie: P. J. Salley, Lachine Rapids, Que.; Jas. E. Petter, West

Brome; Andrew Boa, Geneva; Dr. E. P. Ball, Rock Island; Adelard Forget and Herbert Gladu, Jr., Marieville and Jos. Lord of St. John, Que; secy.treas-, F. E. Came, St. Lambert, Que.

RECORDS OF CANAAN HOLSTEINS

PONTIAC CLOTHILDE DE KOL 2ND
The Feb. 5-15th Official Records of
American Holatein Friesian cattle is sen.
sational, in one respect,—it introduces to
the dairy public officially for the first time
to the dairy public officially for the first time
to the dairy public officially for the dairy
time.

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min.

A ther first test, ahe produced 13,485 lbs. a re of re

in 30 days; at the fourth, 24.217 lbs. from 584.1 lbs. milk in seven days, 5 lbs. fat from 2,601 lbs. milk in 30 d. and the fifth and last, 29.76 lbs. fat lbs. milk in seven days, 15,229 fat from 2,584 lbs. of milk in 30 d. lfr breeding is A.R.S. and A.R.O. several generations back.—Malcolm several generations back.—Malcolm Her breeding is A.R.S. and A.R.O. several generations back.—Malcolm

The first Holsteins in Peterboro Co. Ont., to be officially tested were those as the Hillerest Stock Parm owned by G. A. Brethen, Norwood, Ont. Mr. Brethen is concompletable official testing during concompletable official testing during the construction of the concompletable of the con

#### GOSSIP

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To those who are looking for some paytical information in regard to springmaterials and method of preparing Aupaying them. A little book published by
the Chemical Laboratories Limitel, Toronte Chemical Laboratories, the Chemical
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920	NAME Riche's: Light grade Riche's: Black grade De Kol Burke's Orpha (17 months in milk) Chamcook Mavis	364 1080	Feb. 270 30 925	Mar. 951 1226 <sup>1</sup> / <sub>2</sub>	Apr. 1375 633 1250	May 1286 1535 1193	June 1212½ 1345 921½	July 9451/ <sub>2</sub> 11311/ <sub>2</sub> 8321/ <sub>2</sub>	Aug. 9361/2 11221/2 819	Sept. 743 1003 498	Oct. 763% 719% 487	Nov. 603 554 4331/2	Dec. 643 692 373	Total 10,3213/ 9,0663/ 10,039
	King's Chamcook Aargie Chamcook Olothide Chamcok Anggie Carrie May Sherwood Blossom Castine's Chamcook Mavis Chamcook Aargie Queen Lovelle 2nd's Anggie Canaan Sherwood Orpha (22 months in wild)	731½ 180½ 851 789 1003½ 969½ 797	445½ 103½ 429 368 690½ 842½ 670½ 815½	1406 1822 1/2 155 1/2 227 908 1/2 747 1/2 647 1064	1522 1888½ 471 	4861/3 13/61/2 17371/3 380 1563 908 812 14481/4 11151/3	1512½ 1162½ 1435½ 1659 1423 	910 1101 1463 1242 696 <sup>3</sup> / <sub>2</sub> 241 983 <sup>3</sup> / <sub>3</sub> 714	1196 826 9431/2 1279 1194 1520 703 — 9383/4 663	101114 73714 1206 1321 1006 1140 517 	795 586% 716% 980% 912 996% 490% 	668 1/4 367 566 746 1/4 666 1/4 813 444 116 545 1/4 150 1/4	797 289 573½ 836 801½ 900 399 1619 564 18	7,941 10,330% 12,274% 10,1405 7,290% 8,571 6,536 9,476% 8,299
	Cannan Queen Cannan Carmen Cannan Mosetta Cannan Mosetta Cannan Mosetty (list calf) Clothilde De Kol Waldorf 3rd Josephine Beryl De Kol Corndyke Natoye Queen (list calf) butter Girl's Irene Lady Hengerveld (list calf)	9521/ <sub>5</sub> 2391/ <sub>5</sub> 963 753	689 128 176% 865 29% 454% 811% 712%	12131/4 10073/4 930 1443 7833/4 8133/4	1534½ 750 1299½ 1420 888½ 962 1392½ 534½ 784	1476½ 1445 1189½ 1367 901½ 1080 1284½ 234 759¾	1293 1183 1183 1183 1183 1183 1183 1183 11	932½ 810 843 715½ 694 858%	1051 916 813 671 % 707 585 % 820 984 % 686 %	750 835 759% 701 510 370 793% 1073 639%	770 580 5661/4 5611/2 500 268 672 7891/4 519	635 4991/2 480 453 3351/2 2431/2 5601/2 639 434	7431/ <sub>3</sub> 5011/ <sub>3</sub> 571 5241/ <sub>4</sub> 1403/ <sub>2</sub> 194 725 712 549	11,386 8,277 9,038 8,582 8,2681/2 10,016 7,5243/4 8,065
				22	Cows-A	verage.	8.969	The						

# HOLSTEINS, CHAMPIONS, OFFSPRING & CHAMPIONS

75 Holsteins (Mostly Female)

### Belleville, Ont.

Service Bulls with best of A.R.O. Backing.



At Public Auction

APRIL 7, 1911

Cows and Heifers, 7 Day, 30 Day and Yearly Records.

# 1st CONSIGNMENT SALE OF THE BELLEVILLE DISTRICT HOLSTEIN BREEDERS' CLUB

Some of the largest producers of the breed will be on sale at your own price. Cows with milk records from 22,000 to 24,000 lbs. in one year are in the BELLEVILLE DISTRICT. One of these—MAY ECHO—now completing A YEARLY RECORD GLOSE TO 24,000 lbs. in one year be offered. Other cattle of the richest breeding have been consigned.

Such strains as Pieteriet Hengerveld Count De Kol. Hengerveld De Kol. Count Echo De Kol. Francy, De Kol 2nd's Butter Boy 3rd, and Such strains as Pieteriet Hengerveld Count De Kol. Hengerveld De Kol. Count Echo De Kol. Francy, De Kol 2nd's Butter Boy 3rd, and others well and favorably known to Holstein breeders, will be represented. Count Echo De Kol. Hengerveld De Kol. Count Echo De Kol. Francy, De Kol 2nd's Butter Boy 3rd, and others well and favorably known to Holstein breeders, will be represented. Constant of the Government Record of Performance—THE VERY ONGIGEST STOCK OBTAINABLE, WILL BE ON SALE. See catalogue for full particulars of milk records and extended pedigrees, giving breeding, records, etc.

GONTIBUTORS

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G. A. BRETHEN, NORWOOD, ONT.
F. R. MALLORY, FRANKFORD, ONT.
F. B. MALLORY, FRANKFORD, ONT.
JAS. A. CASKEY, MADOC, ONT.
GEO. W. ANDERSON, ROSSMORE, ONT.
S. J. FOSTER, BLOOMFIELD, ONT.
And others. (There are about 75 breeders in the Belleville District Publish: Breeders' Club.

THREE BULL CALVES sired by Pontiac Hermes and out of large record cows (Pontiac Hermes is a son of Hengerveld De Kol14 A.R.O. daughters. He is nearly full brother—75 per cent. bloodto Pontiac Artis. 1,076 lbs butter in one year): SON OF HELENA
DE KOL.\*25 b. A.R.O., out of Son of Pietertje Hengerveld
Count De Kol.—85 A.R.O. daughters; SON OF DOLLY INKA DE
KOL. 23.5 A.R.O., out of a grandson of Aaggie Cornucopia Pauline,
34.62 A.R.O. These are some of the bulls that will be offered. Youngsters of similar breeding will also be sold. Every consideration will be extended to all who attend this sale. It is our first. There will be no plugging. No bidding in. Breeders who have Every consideration will be extended to all who attend this sale. It is our first. There will be no plugging. No bidding in. Breeders who have If you want a foundation owa, a herd header, or a cur-load, one fail to attend this sale on APRIL 7th, 1911. Write for a catalogue at once mortgage-lifting kind. We are out to give you the best and at a square deal. Catalogues on application to:

FRANKFORD, ONTARIO

March 30

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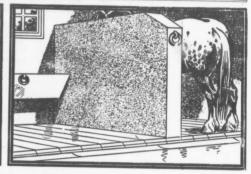
Total (0,321%, 9,066%) (0,339) (7,941) (0,330%)

0,330 ½ 2,274 ½ 0,100 ½ 0,435 7,290 ½ 8,571 6,536 9,476 ½ 3,299 1,386 1,277 1,038

,582 ,268½ ,482½ ,016 ,524¾ ,065







# Which of These Pictures Represents Your Stable?

F your stable is of wood, you'll do well to tear down those old, decrepit and unsanitary stalls and mangers and build new ones of Concrete.

In fact, to be properly ventilated and sanitary the entire stable—inside and out—should be built of Concrete.

Because of the continual dampness which prevails in the stable, lumber soon rots away and requires almost constant patching and repairing, besides the expense of renewing it every few years.

Lumber, too, because of its absorbent nature, soon becomes impregnated with the odors and filth of the stable and forms a prolific breeding ground for disease germs of every kind. Then rats will infest a timber-built stable and another dangerous source of disease is developed.

To build your stable of Concrete is to have it as modern as it is possible to make it. Concrete stables are cheaper than lumber, viewed from the standpoint of ultimate cost. They are germ-proof, free from vermin, durable, sanitary, fireproof, and are easily kept clean.

There is no insurance necessary on a Concrete stable. No agent could figure out the risk, because there is none. This assurance of security is more valuable than the saving of expense. There is little satisfaction in receiving a cheque from an insurance company to compensate you for loss. Concrete positively defies destruction.

The cost of a Concrete stable is less than you think and is more than made up by its lasting durability.

If you would know something of the possibilities of Concrete, fill out the coupon and send it to us. By return mail we will send you free a copy of our new illustrated book, "What the Farmer Can Do With Concrete."

This book is just off the press and is

priced at 50c, but we intend to distribute them free for a while and charge up the expense to advertising.

"What the Farmer Can Do With Concrete" gives you complete instructions for the construction of almost everything you can think of in the way of farm utilities, such as stables, mangers, feeding troughs, and so forth.

There is nothing technical or hard to understand in this book. It is written in plain, simple language, easily understood by the layman. It tells you how to mix and use concrete, make the necessary preparations, forms, molds and the like, so that you can do much of this work yourself or have it done under your direction.

Sign and mail this Coupon now, because if there is any possible way of lessening the cost of farm construction and it the same time adding to its value and durability, you certainly ought to know about it.

Clip the Coupon, or use a Pos al-mail it to us now and you will know promitly.

FREE-Our new illustrated book.

### "What the Farmer Can Do With Concrete."

Tells you how to use Concrete in constructing:

Barns Feeding Floors Poultry Houses Stalls Cisterna Gutters Steps Root Cellars Dairies Hens' Nesta Silos Hitching Posts Troughs Dipping Tanks Shelter Walls Walks Foundations Horse Blocks Stables Well Curbs Houses Stairs

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You may send me a copy of "What the Farmer Can Do With Concrete."

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Address ....

# Be Sure It's a "Cockshutt"

Then Harrow



# Disc Harrow

WE have great pleasure in offering to our patrons this harrow which we believe to be the best out-throw harrow manufactured.

We desire particularly to draw your attention to the spring pressure which is applied to the boxings at the inner end of the discs. The users of out-throw harrows no doubt have experienced great difficulty in keeping the harrow cutting level when set at the full angle as the outer end of the harrow will have a tendency to go in deep, leaving the inner ends out. The spring pressure we have on these harrows prevents have on these narrows prevents that, and this spring pressure is regulated by the use of a convenient lever. The amount of pressure to be applied can be easily adjusted, which interest the constitution of the convenient that the contract of the contract sures the gangs cutting evenly no matter at what angle they

We oil these harrows with tubes from the top of our scraper holders, and we use hard maple boxings in these harrows which we have found will outwear any other style of boxings in an out-throw disc harrow. Besides they are easily and cheaply replaced in case it is necessary to do so after years of wear.

We wish to call your attention to the bracing of this harrow. The hitch is very close to the work, and is in a class by itself with regard to any out-throw made. Samples of this harrow you will find at your nearest Cockshutt agency, and we believe if you would see one that you would purchase it in preference to any

Drop us a post card and we will send you our Catalogue free so that you can read all about these Harrows and also get acquainted with the full line of Cockshutt

HERE are two of the lightest draft Disc Harrows made anywhere. For a simple, sturdy piece of durable machinery, neither of them can be equalled. They are made of the very best materials, and we can assure every farmer that, no matter how rough or uneven the soil may be, these Harrows will do the work better, quicker and with less strain on the horses than any other Harrow.



TF the farmers of Canada if you-could spend only one day going through our great plant at Brantford, you would get some idea as to why "Cockshutt" implements are shipped to every country in the world. From the time raw materials come into the yard, until the



#### No. 4 In-throw Disc Harrow

W<sup>E</sup> sold a great many thousands of these harrows last yearevery buyer was highly pleased.

Before commencing the manufac-ture of this new In-throw Disc Harrow, we noted all the merits and defects of disc harrows and we have combined in this one all the good features of all disc harrows, with many of our own which we have proven to be beneficial.

The frame is made of channel bar steel-strong enough to stand the strain under all conditions.

Notice how the braces are set on this harrow-also how convenient the lever for setting the harrow to cut atany desired angle. Notice the chains attached to the

beam for regulating the depth of the harrow and preventing it from going too deep at inner end when harrow is set

inner end wnen narrow is set at full angle. Oil is conveyed to the bearings by tubes running from top of scraper holders, keep-ing the bearings dust proof and making them last longer.

Steel balls, accurately turned and perfectly polished, run in chilled bearings—this relieves end thrust of sections and makes draft very light. Cast balls (commonly used) soon wear flat on one side and bearings then become useless. With a touch of the foot, scrapers can be set to clean the harrow in heavy or sticky soils. Notice the shape of the discs—they are made to cut and turn all the soil. This is not only the best looking disc harrow but the best working disc harrow-examine it at any of our dealers.

finished products are put on the freight cars, every process of manufacture is under the watchful eye of some inspector.

Not men who have spent their lives at an office desk—but practical expert mechanics—men who have actually lived on farms-men who know the farmer's needs-specialists in agriculture.

Every man suggesting, improving, inventing-trying to make the farmer's task easier and his work more profitable. Not only do we use the best materials and workmanship, but we strive to put conscience into our implements, not as a matter of policy, but honesty-the principle of giving 100 cents value for every dollar received.

Send us a postcard today and we will send you a Catalogue of Cockshutt Implements

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