

VOL. XXX.

NUMBER 27

RURALHO

PETERBORO, ONT.

JULY 6.



IN THE FULL SWING OF MODERN HAY MAKING

The hay loader is not universally popular yet it has come into use on a great many farms in recent years and the fact of its utility has been established. It works best in conjunction with its companion machine—the side delivery rake. With these two implements to assist in haying, the work of putting in the hay crop may be so arranged that just what can be handled will be cut each day. Such practice will never find one caught with a ten-acre block of hay all ready to haul at once, and an old-time soaker of a rain working great damage upon it. Photo

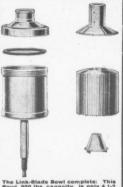
taken on Mr. John Sålkeld's farm, Huron Co., Ont.

DEVOTED TO

BETTER FARMING AND GANADIAN GOUNTRY LIFE

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



The Link-Blade Bowl complete: This Bowl, 900 lbs. capacity, is only 41-2 in. diameter. 5 in. deep, and runs at only 7700 R.P.M.

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?

The "SIMPLEX" Link - Blade Cream Separator is built on scientific lines. It is the only cream separator having the Link - Blade Device and the Self-Balancing Bowl. are features exclusive

that you can get in no other cream separ-

Write for our New Illustrated Booklet, fully describing the "Simplex" machine. It is FREE and is brim full of SEPARATOR

D. Derbyshire & Company

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CANADIAN NATIONAL EXHIBI AUG. 26th, **TORONTO**

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Greatest Live Stock Show on the Continent SPECIAL PRIZES: \$500,00 for Best Animal in Holstein Classes.

ALL ENTRIES CLOSE AUGUST 15th For Prize List and Information write

J. O. ORR, Manager, City Hall,

TORONTO

Mr. Clemons Makes a Statement

Editor, Farm and Dairy,—Mrs. Partington once remarked that "com-parisons are odorous." After reading Partington once remarked that "comparisons are odorous." After reading the article in the May 25 issue of Farm and Dairy by A. S. Turner & Son of Ryckman's Corners, I would amend the saying and make it male-dorous." Breed discussions are "flat, stale and unprofitable," but since the Mesers. Turner have used my name as authority for statements. authority for statements, about Ever-green March, of which they make use, I may be pardoned for using the col-umns of Farm and Dairy in order to set them correct.
In the article in question Messrs.

umns of Farm and Dairy in order to see them correct.

In the article in question Messers. Turner quote me as saying in an article in "The Farn,er's Advocate" that Evergreen March ate an average of 28 lls. grain daily during Jan. 1911, and use that ration as a basis of comparison for cost of production of milk and butter fat, between Evergreen March and Snowflake, one of their herd. I say emphatically that I their herd their herd. I say emphatically that I have been any state of their herd. I say emphatically that I have any stream of the say their herd. The say the say of their herd. I say the say

from Feb. 21 to 28, Snowflake was giving an average of less than 60 lbs. of milk daily with a four per cent. test, while E-ergreen March was giving an average of 2p per cent. fat. Is it possible that the cheap ration Is it possible that the cheap ration to the maintenance of the control of the was fed?—Percy F. Clemons, Brant Co., Oth

More About in-foal Mares

More About Briss.

Editor, Farm and Dairy,—The article by Robert Graham, of Simcoe county, Ont, in Farm and Dairy, June 15, describing his treatment of infoal mares and newly born foals is one of the most valuable things I have one of the most valuable things I have read in any farm journal in many years. Having reared many foals, and lost a few, I can thoroughly appre-ciate the value of all that Mr. Gra-ham recommends and does. Being a Sootchman, I judge that Mr. Graham raises Clydesdales, and these, like all draught breeds, are more liable to losses than the lighter sorts of horses. While I have every confidence in the While I have every connuence in veterinary practitioner, I would trust veterinary practitioner, of them to Mr. Graham before most of them to Mr. Graham before most of them to handle a foaling mare in trouble. It is evident that he is naturally mechanical, and having had much ex-perience in horse breeding, he is able to handle abnormal cases when they arise. The lowering of the forequar-ters of the dam, when a foal has to

ters of the dam, when a foal has to be turned or adjusted, was no dol plan of my father's, and many a foal and mare have been saved by this method.

Too many stock raisers do not make a careful study of the anatomy of animals. Too few take the common sense precautions in regard to get sense precautions in regard to get ting the mare into the best conditions the set of the sixth annual fee dend declared by the Ford Mer sense precautions in regard to get ting the mare into the best conditions the set of the sixth annual fee dend declared by the Ford Mer of the mare into the best conditions the sense of the sixth annual fee dend declared by the Ford Mer of 100 per cent. Several Winds men is a good thing, because she is thus kept normal in health by reason of the regular exercise. While this is true, to the same rate as they are now getting the same rate are now getting

no man with judgment would think of no man with judgment would think of hitching a mare well advanced in pregnancy to a land roller or other implement that would jar and jolt her

implement that would jar and jolt her while at work.

Mr. Graham's treatment of the mely born foal is rational became it is harmless in any case and a wise precaution in cases of a tendency to constipation. The sanitary measure are also safe and easy of application, and as Mr. Graham points out, the materials recommended are easily available.

Mr. Graham is to be congratulated for his generosity in making public such valuable suggestions for his felhorse-breeders.-J. B. Spencer.

To Drain or not to Drain

Some calculations on the financial side of drainage have recently been made by Prof. W. H. Day of the Optario Agricultural College. A farmhas 50 acres that is rather with although not drained it gives say \$15 an acre. The value of the crop for the very in the crop for the crop

at \$10 per acre. As a matter of far the increase is usually worth much more than this, so that the computa-tion is somewhat unfair to drainage, however it is better to err on the sal

But the increase in crop is not the only return from drainage, the value of the land is largely increased. This illustrated in the case of a certain farm in Lincoln county. It was bought farm in Lincoin county, it was onge for \$6000 about two years ago. Las year \$2000 was spent in draining a and it has since been sold for \$12,500. The Department of Physics, O. A.

The Department of Physics, U. a. C., Guelph over which Professor Da has charge, has a large staff engage in making drainage surveys for fam ers wishing to drain; they are ket very busy. Those who wish surrest made this fall should apply at one, as there are nearly as many applications in as can be attended to the

season.

The terms on which surveys are made are explained in Bulletins N and 175, which may be had free from the Department of Agriculture. To

Items of Interest

W. F. Stephen, Huntingdon, Qu-has sold his farm for \$8,500. The purchasers, Gilbert McMillan. Bre-ster, N.Y., and Matt. Leggatt, Bi-more, Pa., intend to make it a state farm, with Ayrshires a specialty.

Issued Each W

Vol. XXX.

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Mr. J.

hibitor of Buff the money-n practical and culturist and Canada and C the least of M ingness and al of information Farm and Dair on his small fa over the spler turns from por by Mr. Clark such satisfacto

Mr. Clark lo best money-ma large return fo worked his stoo high standard ing prizes at Madison Squar developed an e present season, time of our vi worth of eggs Clark's bees n keeps about 68

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FARMAND DAIR RURAL HOME

Only \$1.00

Vol. XXX.

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Each Week

FOR WEEK ENDING JULY 6, 1911.

BIG MONEY OUT OF FEW ACRES—HOW IT COMES

Secrets of the Success of a Very Successful Farmer Who Farms only a Few Acres. Food-thought for Many a Man Who Works Hard and Makes Little.

WENTY-FIVE acres, not in the so-called fruit belt, supporting the proprietor, seven of a family, and two hired men engaged by

the year, and returning a net profit approximating \$4,000 a year - such is the little poultry, fruit and bee farm owned and worked by Mr. J. W. Clark, of Brant Co., Ont. Mr. Clark is well and favorably known to many Farm and Dairy readers as one of the prominent Farmers' Insti-



hibitor of Buff Orpingtons, a staunch advocate of the money-making orchard, an all-round practical and successful poultryman, horticulturist and apiarist, and a citizen of whom Canada and Canadians may well be proud. Not the least of Mr. Clark's strong points is his willingness and ability to impart his invaluable store of information to others. Recently an editor of Farm and Dairy spent some hours with Mr. Clark on his small farm, and came away much enthused over the splendid possibilities of profitable returns from poultry, fruit and bees, as worked out by Mr. Clark on his small acreage, and with such satisfactory results.

Mr. Clark looks upon his apple orchard as the best money-maker. He gets, however, a very large return from his poultry, and since he has worked his stock of Buff Orpingtons up to such a high standard of excellence, having won the leading prizes at all the big exhibitions, including Madison Square Gardens at New York, he has developed an enviable market for his stock. This present season, up to the end of May, at the time of our visit, Mr. Clark had sold over \$700 worth of eggs for hatching purposes. Then Mr. Clark's bees net him a handsome return. He keeps about 65 colonies, which return him between \$500 and \$600 annually.

INCOME FROM BEES, POULTRY AND PRUIT

The stock commonly kept on the average farm is conspicuous by its absence on this small farm of Mr Clack's. Horses to do the work, a few pigs, and two cows comprise the so-called larger stock. All of the income must come from bees, poultry and fruit, three things which to ordinary farmers are unworthy of attention.

One and a half acres of the farm is set to small fruit and cherries. About one acre is in grapes. About 18 acres of the farm, all told, are set out

to fruit, considerable of this having only recently been set. Mr. Clark has had this farm but six years, and as the bearing trees were planted and cared for with little regard to the more approved orchard practise he has not as yet got the place in what would be called ideal shape. Speaking of his small fruits and crops, Mr. Clark said: "They are profitable, but I would rather have the apples. There is more money in apples, and that with considerably less labor. I figure on my apple orchard returning me from \$100 to \$125 an acre one year with

A SECRET IN ORCHARD WORK

In his orchards recently set out the apple trees are 38 to 40 feet apart. Between these pear trees



A Money Making Department of a Farm

Mr. Clark may here be seen in his apiary of 65 col-nies. Last year these bees produced 2 1.2 tons of oncy, which sold wholesale for 10 cents a bl. Read in te adjoining article of Mr. Clark and his small, but honey, which was the adjoining article of Mr. Ulara and the adjoining article wery profitable farm.

-Photo by an editor of Farm and Dairy.

-Photo by an editor of Farm and Dairy.

have been planted as fillers. Everything about the place, trees and crops, bear unusual evidence of thrift. The apple trees set out last year in size remind one of many apple trees as often seen after they have had three or four years' growth. This evidence of thrift and rapid growth is accounted for in the thorough cultivation given and the regular and frequent applications of manura and commercial fertilizer. "In orchard work," said Mr. Clark, "the chief thing is to get lots of fertilizer. Each year I aim to have the orchard covered with stable manure, applied about 20 tons to the acre, and then put on commercial fertilizer besides. If I can get them I endeavor to apply wood ashes every other year."

Although he has but 25 acres, Mr. Clark employs two men regularly by the year. When spraying he hires an extra hand, and at seasons when the harvest is on he avails himself of labor from the nearby Brantford Indian Reserve. In the winter season one man is kept busy hauling manure from the city of Brantford, some four miles distant, and the other takes care of odd jobs about the farm and between times collects wood ashes on the Indian Reserve, trading soap for the ashes, one cake for a bushel of this valuable fertilizer.

The commercial fertilizer applied by Mr. Clark is purchased with the ingredients separate and is mixed at home. A mixture of acid phosphate 9 parts, potassium sulphate 6 parts, and nitrate of soda 4 parts, is applied at the rate of 500 to 600 lbs .to the acre. For the old orchard the potash and the phosphoric acid are applied without the nitrate and with wood ashes, as gotten from the Indian Reserve.

During the winter Mr. Clark gives of his own time and talent to the farmers of Ontario, lecturing as he does for the Ontario Department of Agriculture at the Farmers' Institute and other agricultural meetings.

SAVING MONEY ON LIME-SULPHUR

For a couple of winters Mr. Clark was engaged by the Pennsylvania State College to lecture upon poultry at that institution. While there he made the acquaintance of Professor Stewart, the horticulturist at that college, who first discovered and made the lime-sulphur wash now so generally used by orchardists for combating insects, scale and fungous pests. Being interested in orchard work Mr. Clark watched Professor Stewart's experiments very carefully, and often assisted him with his work, with the result that Mr. Clark is an expert at making the lime-sulphur wash at home. He makes it at a cost of only \$1.75 a barrel, whereas in the commercial form, as many



Grand in Type and a Noted Winner A fine study in type of the utility Buff Orphington is here afforded. He heads Mr. Clark's 1st pen this year. He is the ist prize Ontario cockerel and won 3rd in New York in company with the best English and American birds.

orchardists know, this concentrated spray fluid costs §8 a barrel. Mr. Clark experiences no trouble whatever in making the home-made concentrated lime-sulphur test from 30 to 31 with the Beaume hydrometer. An illustration and description in detail of how Mr. Clark makes this home-boiled concentrated lime-sulphur will be published in due time in Farm and Dairy. The outfit for boiling can be installed at a very moderate cost, and since the average orchardist uses from two barrels up in quantity z-nually, this question of how to make the best lime-sulphur at home is of vast importance.

HOW THE BEES ARE MANAGED

Of the several departments on Mr. Clark's farm possibly the apiary is of special interest. very little expenditure the bees, as indicated carlier in this article, give handsome returns and prove of great value in fertilizing fruit blossoms. and thereby aiding in a better set of fruit than is possible without them. Mr. Clark winters his bees in individual cases on the old stands. He prefers to have his colonies packed in these individual clamps rather than in the larger combined clamps, since when left on their old stands the bees always know their location, thus saving the bees from being lost, and then the hives can be left in the packing cases until the warm weather comes, which assists in brood rearing. Mr. Clark runs his apiary solely for extracted honey, since there is more money in it than in comb honey and the bees are more easily manipulated. By allowing the queen plenty of room in broad chambers and giving plenty of ventilation swarming is reduced to a minimum.

A CHEAP AND FAVORITE POULTRY HOUSE

A great study in poultry houses and general chicken lore is afforded the visitor at Mr. Clark's place. Of his several houses Mr. Clark recommends most strongly the model devised by Professor Graham at the Guelph College, and used by him last winter for the first time with such satisfactory results. Mr. Clark built one of these houses last fall after seeing Professor Graham's late in November. The building is 20 feet square, set on a cement wall six inches wide nicely above the surface of the ground. It is made of cull lumber and covered over with crystal brand Brantford roofing. One hundred hens were wintered in this house and all came through in the pink of condition and laid exceptionally well. The building is wide open to the outside air in the front, there being an open space two feet high the whole width of the building, 20 feet being open at all times day and night, storm or calm. The males wintered in this house got their combs slightly frozen, but not a hen in the bunch suffered from frostbite. The building was erected at a cost of only \$60.

Of portable houses of the colony type, a unique, cheap, and very satisfactory structure Mr. Clark makes out of two piano boxes. The piano boxes cost \$2\$ each, and the whole house complete costs only from \$5 to \$86, there being pienty of lumber in the two boxes to make the roof and all parts, including the floor of the house, with the exception of two gable ends made from 12 inch board six feet long, which may be ripped to make the two gables. A complete plan, photograph and instructions of how to make these houses will be published in a subsequent issue on the poultry page of Farm and Dairy.

This piano box colony house is put to many uses—for wintering stock, and for the chickens after they are taken from the broolers, or from the lens; some of his hens Mr. Clark sets in these colony houses, four to a house. When the chickens hatch the four hens and chickens use the same house for shelter and when the chickens are old enough to get along without the hens they are used to going to the house, which is used to shelter them until they mature.

These movable houses and the poultry are scat-

tered here and there throughout the orchard and have the benefit of free range and cultivated land. A cultivated orchard for the chickens, Mr. Clar's says, has a double advantage in that it provides much food and tender green stuff, also insects, which are caten by the chickens to their distinct benefit and the benefit of the orchard as well.

The chickens are fed from hoppers, the feed being available to them at all times. Water is also provided in quantity, which needs to be replenished only on infrequent occasions, thus greatly n.inimizing the work of caring for the poultry. The ration fed from the hoppers is



Growthy Apple Trees One Year Set

Apple trees given proper culture and attention soon come into bearing. This illustration shows a two-yearold stock set last year by Mr. Clark. Note the remarkable growth. Good cultivation and well fertilized soil account for it.—Photo by an editor of Farm and Dairy crushed oats. The hoppers hold two or more

bushels of this feed at one time.

There are many other things we would like to note about Mr. Clark's little farm and his methods of farm management. For the mest part these will be written about later and will appear in short articles in various departments of Varm and Dairy. Before concluding, however, we must make mention of Mr. Clark's incubator and brooder house. Natural gas is available in abundance in the Brantford district, and Mr. Clark has this piped in to his incubators and brooders, thus furnishing heat without trouble or bother of any kind, and at a much less cost for fuel than coal oil.—C.C.N.

Notes from Farmers

It is time enough when two or three years old to think of getting young horses filled out and nice and sleek for sale. In the meantime, the idea should be to develop a good frame and a strong constitution.—E. F. Eaton, Colchester Co., N. S.

For my part I do not care what kind of soil is used for corn because I have seen magnificent crops of corn on every kind of soil you can imagine from the heaviest clry down to the lightest blowing sand, and even the blackest kind of black muck, two or three feet deep; I have seen splendid crops of corn growing under all these conditions.—J. H. Grisdale, Dominion Agriculturia.

When driving through this county last April, I noticed that despite all that has been said and written on the silo, some farmers are still digging the corn shocks out of the snow. It must be a paying proposition to cultivate and hoe corn for a whole season and then have to shovel it out of the snow banks in the winter!—D. F. Armstrong, Leeds Co., Ont.

The Matter of Selecting a Bull
"In the selection of a bull for breeding purposes" said Mr. John McKee of Norwick Ont,
the well-known Ayrshire breeder, to an enter of
Farm and Dairy who visited his farm in Oxforcounty recently, "I have always made it a point
to insist on seeing if possible the dam of any bull
I purchase. For this reason I have never had as
imported bull, on my farm. I realize thus masy
fine bulls have been imported that have does
much for the breed in Canada. I feel, however,
that so much de-ends on the breeding of the bull
and on the bull's dam, that I have always insisted
on seeing the bull's dam before I would conset
to use him on my herd.

"To satisfy me the dam must be a good strag animal of large capacity, with a well-formed used and animal of large capacity, with a well-formed used and animal of the strage, well-placed teats. I always use to know all I can about her breeding and ale of the breeding of the bull's sire and of his sire dam. Some breeders seem to be crazy to procupan imported bull. Such men are apt to forget that there are scrubs in Scotland even among pure breds as well as in Canada, Some imported bulls have not turnel out well in Canada.

"As regards the bull himself, I want him to be a naturally good, strong feeder, as such a bull ilkely to leave strong, vigorous calves. I aim to give my bulls plenty of room for exercise. My herd bull has a box stall and a paddock by the harn where he can be turned out at nights almaner. Even in winter he is let out a little while in the afternoons. When exercised in this way the bull's feet maintain their natural shape and never require trimming.

"I have never been in favor of shutting cows up all winter. We let ours out on nice afternoon. They are not allowed out long enough to get chilled but they are given time to rub and enjoy themselves."

Gains from Cow Testing

C. F. Whitely, In Charge of Records, Ottawa. The chart below shows what cow testing is designed for, and what it accomplishes in the hands of dairymen wise enough to profit by the trachings of the scales and test.

It is evident that a very modest estimate is made when it is claimed that as cow testing becomes generally practiced the production of all cows in the Dominion can easily be increased by 1,000 pounds of milk; this means additional income for farmers to the extent of tweets millions of dollars.

SOME DEFINITE GAINS FROM COW TESTIN

AVERAGE YIELDS PER CO				W	W			
Address lbs.	1907 lbs. Milk	lbs.	lbs. Milk	Iba-	Disc	Don		
S. A. Freeman, Cullodon, Ont		6211	6708		1559	30		
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Woodstock, Ont4500 T. E. Jory.			9144	338	4644	103		
Lakefield, Ont J. E. Moore.	4961		6511	238	1550	31		
Peterboro, Ont W. Paul,	6709	8050	8978	298	2269	33		
Peterboro, Ont.	4359	5218	5845	206	1486	34		

Such remarkably substantial increases show be an inspiration to every dairyman.

The chart also shows that farmers in Western Ontario are getting more good out of contesting than those in Eastern Ontario. This is strange, especially in view of the fast that the East depends more than the West upen dairying as a means of livelihood; it might further be pointed out that the East seems in need the improvement more. The average yield per cow in the East is below that of the West and can be considerably increased.

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12 Years With Summer Ensilage

M. Hartly, Oxford Co., Ont.

After about 12 years' experience feeding ensilage to dairy cows in the summer, I am convinced that there is no other supplementary feed so cheap, so convenient, and so readily eaten by the cows. Dairy cows must have something that will fill them up and satisfy them. Ensilage has this advantage over grain alone, as grain is too expensive to give them all they want of it.

With regard to the effect of ensilage on the milk. I have never been able to detect any difference. I have always Lud well matured corn, and in the warm weather I have fed half the silo down at a time. There are a few inches of the surface of the half that is left that will spoil, but I would rather lose that than be always feeding spoiling ensialge. One should take two or three inches of the whole surface that is being fed at ast once a day.

of his sire of it is important to keep the mangers free from gry to procupe model feed that would contaminate the fresh enspoiled feed that would contaminate the fresh ensilage that is put in.

As to quantity, I give the cows as much as I can get them to eat with a little grain as an extra inducement. This keeps them up in flesh and ensures a regular flow of milk for the season.

Aeration of Soil by Drainages

A farmer at one of our drainage demonstrations the other day aptly expressed one benefit of underdrainage when he said: "Tile are always running full, if not with water they are with air. I have nearly two miles of drains in and would rather see them running full with air than with water." The taking off of water is not the only benefit of underdrainage; while many of the other advantages naturally follow this work of earrying off surplus water they are worth knowing in order that we may appreciate them.

When water falls upon sloping land, it cannot readily enter the soil, as the space is already occupied by air; this air has first to be displaced before water can get in. Unless there be an underdrain in the soil the air must come upward, and while this action is taking place water is running away down the slope. Now, if there is a tile drain under that land the air goes to the drain and the water follows it. If a lighted match is held at the mouth of a drain during a rain it will be seen that there is a draught outward. Hence it is that a passing shower will moisten the underdrained land much deeper than land not drained, as there is co little lost through it running away on the surface.

LAND MADE MOIST AND MELLOW

The free passing of air and water through the soil following after the installation of underdrains rapidly makes it more open and mellow. A farmer recently asked me why it was that when plowing on a hillside in which there was a drain leading from wet land above he could always tell when he was within 30 feet of the drain, since the land there turned up softer and moister. His question I have answered. Actual experiment has proved that when undrained and drained land are apparently dry the drained land contains nearly 28 per cent. more moisture than the undrained.

A free circulation of air through the soil is of great advantage. It may be explained in this way. There are in the soil two kinds of bacteria (very small forms of plant life). The one kind are exceedingly beneficial; for example, those which cause the nodules to form on alfalfa roots, about which Farm and Dairy readers are well informed. These gather the free nitrogen from the air and store it in the form of available plant food. These bacteria are technically

"The second of a special series of articles on things worth knowing about underdrainage, prepared expressly for Farm and Dairy readers by an expert on underdrainage work.

called "aerobic," and as the name suggests, they require the presence of air in order to live.

The other kind of bacteria are known as anae robic; these require the absence of air. They work upon the plant food in the soil and break it up, allowing the nitrogen to escape back into the air; these, therefore, Farm and Dairy readers may see, are very detrimental. They cause the cold, sour condition of some soils so often seen, and upon which nothing grows but coarse brown grass and weeds. Conditions are just right for the anaerobic bacteria in the hard, closely packed soil lacking underdrainage. On the other hand the drained soil furnishes the best conditions for the growth of the beneficial bacteria; this explains why alfalfa requires, and does so well on, drained land.

The benefits derived from drainage, as here enumerated, are but a few. I have said nothing about there being in drained land more root space, seed germinating better, soil warmer in the spring, and so forth, of which Farm and Dairy readers have all read and can readily understand. I have endeavored here to answer a few questions only which seem to puzzle farmers at demonstrations, and to set forth that it will pay to drain land even if water does not stand on it .- H.C.N.

Experience With Mares and Colts

Hy. Glendinning, Victoria Co., Ont. The best season to have the colts arrive is when the mares are on grass. We plan to have ours come at that time, and we never lose a colt.

The mare is generally in good condition at that time, the green grass induces a good flow of milk,

and the mare's bowels are in good order. have found that if the mare's bowels are right the foal's will be also. If a foal, however, has difficulty in passing its manure I remove the manure balls with a greased finger. If this is not effective I give an injection of oil or milk to loosen up the contents of the rectum. I do not consider it wise to give a physic. It is a long way from the mouth to the intestines, and all that could be safely given would not be sufficient to move the large mass of matter there collected.

We never have trouble with diseased navels. When the mare

foals in pasture all surroundings are clean. The dirty litter, generally the cause of navel ill, is encountered only in stables or barnyards. We always take the precaution, however, of dressing the navel with a disinfectant.

RE WORKING THE MARE

We work the mare regularly up to foaling time, Lut not much after. Of course, even before foaling the work is light. After foaling, if we need an extra horse we use the mares, but always give them the lightest work. When the mares are working the colts are kept in the pasture. If allowed to run with the mare there is a danger of it getting hurt.

We try to get the foal to eat oats before weaning. After weaning skim milk is one of the principal foods. They may not like it at first, but if not watered for a while they will drink the milk, and in a few days they are looking for

it. Skim milk does not make wind-suckers, as many believe. I have a mare that is a wirdsucker, but not one of her five colts suck wind, and all have been fed skim milk.

I feed a little ground flax also. It gives the colts a nice, slick appearance that denotes thrift. Too much flax might not be good.

Colts should be allowed to exercise regularly, We have no arrangement whereby the colts can run at liberty (the best method), but they are given a run in the yard each day. They will take a lot of exercise in a short time.

Jersey Milk-Quality and Cost

I have read with interest Mr. Porter's article on quality of milk as published in Farm and Dairy, June 15; he puts the case very plainly. Quality in milk is what is wanted; there is plenty of water available without taking the trouble to feed the cows to produce it.

And again there is no disputing the fact that quality in milk means quality in products manufactured therefrom, and quality we must have in these products if we are going to hold our own in the markets of the world.

Cost of production is another very essential factor that is nearly always left out of milk records. This should not be so. We are not feeding cows for the fun that is in the work, but for the dollars. It is a more business-like proposition to feed a cow that produces 7000 lbs. of milk making a profit of \$80, than it is to feed two cows producing three times that amount of milk but making only a profit of \$40 each.

I do not want to stand on the fence and yell Jersey! Jersey! as fanciers of some other



A Prolific Ayrshire in the Home Land of the Breed

The three-year-old Ayrabire here shown last year dropped one calf as a two-year-old and this year she dropped three healthy calves, as shown in the picture. She bed, and this year she dropped three healthy calves, as shown in the picture. She bed, and the property of the Canadian Irrabires' Association, when forwarding this print to Parm and Dairy, remarked: "Who says Ayrabires are not profile and profit able."

breeds do in the interest of their respective breeds. All we Jersey men wish is to see the Jersey get fair play by the recognition of quality and cost of production of milk, and to set facts concerning the breed before the public and let them judge for themselves

I will give the following official record of a cow in my possession. It is nothing extraordinary but it shows a fairly good profit.

Sylvia, of Maple Grove (Jersey) No. 1086.

Ration, crushed oats, bran, oilcake, roots, hay and some straw.

Production, 8967 lbs. milk, 475 lbs. fat, 554 lbs. butter. Value of fat, \$142.50, skim milk, \$18.00; total value, \$160.50.

Value of food consumed, valued at market prices, \$73.59. Profit, \$86.91. - Wm. Clark, Queen's Co., P. E. I.

July 6

RECEES

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What

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Looking For Alfalfa Nodules

Looking For Alfalfa Nodules

I am sending you a sample of this year's
seeding of alfalfa sown on the 19th of
seeding of alfalfa sown on the 19th of
seeding of alfalfa sown on the 19th of
seeding of alfalfa sown on the 19th
seeding of the 19th
see

or not nodules were present on the or not nothing were present on the roots. One of the roots appeared very much like as if it had a dried nodule. If the soil is mellow and you dig up If the soil is mellow and you dig up the roots carefully, and they require to be dug very carefully, causing the soil to fall away without breaking the nodules from the roots, you should have no difficulty in determining whether or not nodules are present. The nodules of course, are small on

ther or not nodules are present.

The nodules, of course, are small on small plants. They often have a pinkish appearance and look like a little cluster of small grapes or warts.

From the length and evident thrift

From the length and evident thrint of the plants you sent we should judge that your alfalfa has taken well and you should have no difficulty in mak-ing out a satisfactory, report for the College at Guelph.

Makes Money in Dairying

D. F. Armstrong, Leeds Co., Ont. I have made money out of dairy cows and I have a few figures to submit for the consideration of those who claim that there is no money in dairyclaim that there is no money in dairy-ing. We commenced to weigh our milk December 1st, 1910. Of the 10 cows then milking three were farrow and the seven others were due to and the seven others were due to all march, April, and May. In calcomidate these cows made 3,750 lbs. January 15 milking 15 of milk and 154.5 lbs. of butter. In January eight cows gars 3,565 lbs. of milk, which made 130 lbs. of butter; in February 3,050 lbs. of butter; cows gave 3,300 lbs. of milk and made 150.5 lbs. of butter. In March first cows gave 3,300 lbs. of milk and made 175 lbs. of butter, a total of 674 cbs. of butter in the four months, as well as 244 quarts of milk for the house. This income is in addition to what they returned me in the factory sea-son when they were at full flow.

on when they were at full flow.

On March 1st. 1911, a bought two cows at auction paying \$161 for the pair. In that month the two of them gare 9.396 by of the pair. gave 2,326 ibs. of milk. making 112½ lbs. of Lutter that sold for 25 cents a lb., or \$28.12. The two calves sold for \$12, a total of \$40.12 for the two cows for one month.

It is not out of the reach of the ordinary farmer to obtain \$100 a year per cow, first, by keeping cows of good dairy quality, and then giving them good care and feed. Things are work-ing out pretty well for the dairy farmer; and with the proposed trade agreement with the United States in operation we shall do even better.

Experience in Spraying Potatoes

E. F. Eaton, Colchester Co., N. S. The spraying of potatoes to protect them from bugs and blight is quite as important as the spraying of orchards. I have had no experience in spraying orchards but from figures given from time to time in Farm and Dairy I can figure out just as good returns from spraying potatoes. I have heard

figure out just as good returns from spraying potatoes I have heard farmers say that they had saved the price of their paraing outflt from one acre of potatoes in one year.

Some years ago I visited the Experimental Farm, at Trur, and was surprised to find that although it was in September the potato tops were not supported by the properties of the pro Fuller, the farm superintendent, pur-chased a spray-motor for \$20 and chased a spray-motor for \$20 and have been spraying my own potatoes since with very satisfactory results. Two years ago when blight was very bad we harvested 200 bushels to the acre and had hardly a sign of rot. Our next neighbor, who had two and one half acres of potatoes might-have had an equally good crop but owing to the blight he did not have 50 bushels of marketable potatoes to the acre. He could have bought two or three spraying outfits with the potatoes he lost that year.

In spraying for bugs early in the season use arsenate of lead, or Paris green, usually the latter. Two and

one half ibs. of arsenate of lead or one pound of Paris green are used in 40 gallons of water and this will spray one acre of potatoes when the the are small. We prefer to have the 102zles arranged to throw the spray for against the tops. Where the is directed straight down on forward tops of the leaves are reached by the poison.

In spraying for blight it is impor-tant that both top and bottom of the leaves be drenched. Two sprayings Two sprayings are usually given for bugs early in the

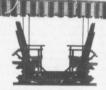
ason.

It is important in spraying for light to spray in time. I have beard

season.
It is important in spraying for blight to spray in time. I have heard Professor Smith at the college say that he could go out on an evening and smell the blight on the pourac field. He then started to spray. I do not care to take a risk such as that as I have seen fields apparently fleathly one day, completely covered with blight only two days later. We give our first application of Bordeaux mixture (4-4-40) early in August and appray every 10 days or two weeks until early in September 10 mixture of the control of the positions of the control of the position o

Health by Resting Out of - Doors in 'a STRATFORD LAWN SWING

Here is shown one of our Lawn Settees, with canopy. It is made of Hardwood, with slat backs, seats and foot rest.



Our settes are so constructed that a gliding level motion is obtained.—not that swinging motion that makes you dizay. Our settee can, in a moment be converted into a couch or bed. They are made in various styles, different into a couch or bed. They are made in various styles, different prices.

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Farm and Dairy

would like to purchase York-shire Boars, Chester White Boars, Ayrshire Heifer Cal-ves, and Holstein Heifer Cal-ves from 6 to 8 weeks old.

Write Circulation Manager FARM AND DAIRY Peterboro, - - Ontario

giving prices and ages of animals

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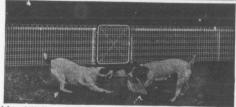
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W. J. REID, President, A. M. HUNT, Secretary.



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dale, Ontario.

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

A Sati This silo we given the best owner, Mr. I seen in the is he could buil Telford is on

Interprovincia tion this year makes a sp while it is a average farm make so lar silo as did M farm. His

His some extras What kind destion whi cide for him to expend to erect one of manent ceme in the illust ars about it

This silo v Mr. W. J. Te ship, Peterbo ond of two s ship. It is and without s "The silo cos Mr. Telford t Dairy recently morrow for \$6 "The silo i by 27 feet. I

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e of lead or one are used in 40 this will spray ave the lozzles spray forward here the spray lown only the reached by the

July 6, 1911

ht it is impor-bottom of the Two sprayings ags early in the

spraying for I have beard he college say on an evening on the pozato I to spray. I risk such as lds apparently lays later.
application of 1-40) early in ry 10 days or y in Septem-d for the pota in Septemying and when y can be put

Resting s in a N SWING f our Lawn t is made of

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otion and you to-day M. It is 'F'C. CO. RIO LTD.

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D airy White er Cal-er Cal-ks old.

lanager AIRY Ontario

ages

I believe the silo is the right thing d wherever much stock is kept a o is of great advantage. But silos expensive and supposing I built e. I would find difficulty in getting field." Several farmers in Victoria it filed." Several farmers in Victoria and Peterboro counties, and one farm-er in Western Ontario recently made remarks to this effect to an editor of Farm and Dairy who was calling at their places.

The matter of cost is a prime consideration and one should satisfy himself about the cost before he builds a silo. Three weeks ago one of the edisilo. Three weeks ago one of the edi-tors of Farm and Dairy called on Mr. W. E. Taylor, of South Paris Plains, in Brant Co., Ont., who last year rerected a cement block silo 11 feet by 35 feet. The silo is a finished job and



A Satisfactory Silo for \$65

This silo was built least year and has given the best of satisfaction. It cost its owner, Mr. W. J. Telford, who may be sen in the illustration, 875, but he says he could build it to-morrow for 865. Mr. Telford is one of the competitors in the linerprovincial Dairy Farms Competition this year. —Photo by editor of Farm and Dairy.

makes a splendid appearance, and while it is a paying investment, the average farmer would not care to make so large an expenditure for a silo as did Mr. Taylor on his 60 acre farm. His silo cost over \$200 and some extras besides.

some extras besides.
What kind of a silo to build is a
question which each farmer must decite for himself. Those who hesitate
to expend the necessary money to
erect one of the larger and more permanent cement silos will be interested
in the illustration of the stave silo,
published herewith, and the particulars about it as given in the followinglars about it as given in the following-

A LOW COST SILO

This silo was erected last year by Mr. W. J. Telford, of Ennismore township, Peterboro county, and is the second of two silos erected in the townond of two silos erected in the township. It is built strictly for business and without any unnecessary expense. "The silo cost me \$75 all told," said Mr. Telford to an editor of Farm and Dairy recently when taking the photograph. "I could build it again towards for \$80.00. morrow for \$65.

FARM MANAGEMENT the staves join they are ripped in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the understanding the plotter of the stave spin they are ripped in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the understanding the plotter of the stave spin they are ripped in the ends of the stave spin they are ripped in the ends of the stave spin they are ripped in the ends of the stave spin they are ripped in the ends of the stave spin they are ripped in the ends of the stave spin they are ripped in the ends of the stave spin they are ripped in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece of hoop-iron is imbedded. As may be seen in the ends and a two-inch piece o

tionary good mied the sho to a height four feet above the top it having been cribbed up with extra planks in order to get the corn all in. Mr. Telford stated that he had three men in the silo tramping part of the time while filling. His corn was not too thick filling. and so was well eared.

A Story About Hay-making

The sky looked beautiful one morn-The sky looked beautiful one morning in haying time. A cood many men thought we were surely going to have a "long spell of weather." We did. These men went out and mowed and mowed and mowed, till some of them had all their meadows down in the watch. the swath.

the swath.

The next morning it began to rain, and before it stopped all that splendid hay was wet through and through till it was rotted beyond all use. Tons

in the control of the

set the river afire!"
True; but why should anybody want to set the river on free? Is it not better to let it run right on in its course, turning all the water-wheels, bearing on its bosom the ships of com-merce? Why set the river on free?

It is worth a great deal more to keep a steady hand, clear up the mea-dows every night, and live a good while, than it is to make a grand splurge and lose the whole hay crop.

The Corn Crop in Dry Weather

It requires the later as well as the early rains to mature the corn crop, early rains to mature the corn crop, unless the tiller conserves the mois-ture which has sprouted the seed and sent it on its upward way. The farm-er can combat the shriveling effect of a drouth on the corn crop. The dust a drouth on the corn crop. The dus mulch is the solution of the problem known to all informed farmer. peated cultivation of the surmakes available tons of wat below when the skies refuse down from above.

down from above.

This cultivation must be shallow throwing of the damp soil up soften drying rays of the sun and a destruction of the root system of the plant is the way not to cultivate in a drouth. Surface cultivation means a fining of the top soil, so that capillary the control of the c morrow for \$65.

"The silo is of hemlock and is 12 by 27 feet. I put up the first tub myself and got a neighbor to help moself and got a neigh

A tearing up with big shovels will intensify the water famine.

A log or a binder or mower wheel dragged up and down the corn rows, when the stalks prohibit the use of the cultivator, will add bushels to the yield in a dry time. The dust mulch keeps the thirsty sun from pumping from the ground the moisture for which the crop suffers. It is worth all it costs, and it will save a crop in dire extremity.—B. G.

Watch Weeds in Clover

L. K. Shaw, Welland Co., Ont.
One of the most common means by
which noxious weeds are introduced which noxious weeds are introduced into new sections is through the small seeds—clover, alfalfa, and timothy. We have found that timothy seed is cleaner than the others, and if there are weed seeds in it, it can be cleaned by a proper adjustment of the fanning mill. Clover seed, however, is almost certain to contain noxious weed seeds, and the seed is somewhat difficult to clean. To avoid introducing weeds through this medium, we have been growing our own clover seed.

The easiest time to keep weeds out.

The easiest time to keep weeds out of the seed is to pull them in the growing clover. The field itself may growing clover. The field itself may be either a second cutting or a clover field that has been pastured, not too close, in the earlier part of the season. All stock, however, should now be taken off and the field allowed to give all its energies to producing a crop of seed, weeds that we most commonly find in our clever, and it was most off the control of the con

with a short, thick, root stalk, and differs from the common plantain coamnoily seen around barnyards, in that the leaves are narrower, the head not so long, and the pollen sacks come from the middle of the spike only. We have found that the easiest way to get rid of this pest is by cutting off with a spud below the crown. Our spid is made by attaching an old chized to a hoce handle.

chisel to a bee handle.

Curled dock, a weed known to all, is also troublesome in clover. The seeds of this weed are very numerous, and a comparatively few heads missed in going over the clover field will mean all kinds of trouble with the field that is seeded with this clover. It can be readily pulled by hand. Other weeds that we have found troublesome are green fortail, ragweed, and bladder campion. All of these are carefully pulled by hand at intervals of one or two weeks.

If there is any one job on the farm

intervals of one or two weeks.

If there is any one job on the farm
that the farmer himself should attend to, it is the weeding of his clover seed patch. The hired man or the
boys are bound to be careless, and
the missing of one weed may mean
several hundred weeds to pull in some
fiture scen. This weading should be future crop. This weeding should be carried on right up to the time the clover is to be cut.

son. All stock, however, should now be taken off and the field allowed to give all its energies to producing a crop of seed.

One of the weeds that we most commonly find in our clover, and it was introduced onto the farm through front, and the point at which the clover seed, is the narrow-leafed plantain known to seedsmen as buckborn. This weed is a perennial or Liennial, Jas. Christie, Colchester Co., N.S.



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Make the most of every outing by taking pictures of the people and places that you are interested in. It will add to the Joy of all the party at the time, and give the added pleasure of pictures that you and your friends will always cherish.

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******* HORTICULTURE

Of Interest to Fruit Growers

Fruit growers are reminded that the Inspection and Sale Act prescribes:—

1. That every closed package (box or tarrel) must be plainly and indel-ibly marked with

(a) the name and address of the

packer,

(b) the name of the variety, and

(c) the grade.

(b) the word "Fancy" or the 2. That the word "Fancy" or the numerals, No. 1, No. 2 or No. 3, nust be used to designate the different gradue. ent grades.
3. That (a) "Fancy" grade must

4. That the faced or shown surface must be the same grade of fruit as the rest of the package.

5. That the minimum size of the apple barrel is: 26 1-4 inches between the heads, inside measure, a head diameter of 17 inches, and a middle diameter of 18 1-2 inches.

6. That the apple box must be 10 inches in depth, 11 inches in width and 20 inches in length, inside measurement.

7. That fruit baskets are of 4 sizes,

(a) 15 quarts or more.

(b) 11 quarts,

(d) 2 2-5 quarts. 8. That berry boxes must contain:

(a) 4-5 of a quart, (b) 2-5 of a quart, (c) Undersized boxes must be mark-

(c) Undersized boxes must be marked with the word Short.

The Act provides a severe penalty for the alteration, effects of the alteration of the severe which has undergone inspection. Bulletin No. 11, entitled "The Inspection and Sale Act, Part IX. and Amendment of 1907-8 and General Notes," will be sent on application to the 'rait Division, Department of Agriculture. Ottawa. Agriculture, Ottawa

How to Practice Budding

Budding time is nearly here. The following along with the illustration tells how to do it.

3. That (a) "Fanney" grade must be 90 per close perfect fruit.

(b) No. 1 grade must be 90 per close from all defects.

(c) No. 2 grade must be 80 per close from defects causing manierial waste, and containing no culls.

4. That the faced or shown surface could be shown or the defects causing the shown of the two the bud and the stock, takes place at the edges of the perfect of the stock, takes place at the edges of the perfect of the stock, takes place at the edges of the perfect of the stock, takes place at the edges of the perfect of the stock, takes place at the edges of the perfect of the stock, takes place at the edges of the perfect of





A Lesson on How to Bud

the bark of the inserted bud. For this reason the bud should be inserted oon as cut from its twig and be soon as cut from its twig and by the had time to dry out. The should also be full, plump and matured, and cut from wood of current season's growth.

A Letter From Mr. Clark

The following letter, received from Mr. Clark at the time he returned the copy of the article published on page 3, is so full of interest to Farm and Daity readers that we take the liberty of unblishing it.

of publishing it:
Editor, Farm and Dairy,—I have
been exceedingly busy of late with
beer is and bees (some of my colonies
berries and bees (some of my colonies) berries and bees (some of my colonies have made over 100 lbs. surplus honey already this season) that I did not find time to go carefully did not most complimentary article. I shall be suppossibly you have said more than I am deserving of. However, the pred of the pudding, they say, is in the eating; I am getting big returns for my labor; and what I can do others can do also.

I am satisfied that the place more than I am attained that the place more can do also.

can do also.

I am satisfied that the best money
I expend is for good labor. I firmly
believe far too many farmers are doing with too small an amount of hired help, thinking they are saving, when as a matter of fact they are losing in

I was through my orchard to-day trying to find an apple showing signs of the codling moth work. I discovered only one, and I examined everal hundred in different parts of the orchard. In my neighbor's or-chard, unsprayed, just over the fence, chard, unsprayed, just over the fence, I can find them by the hundreds. I will have a good fair erop of apples this year; they are beginning to show up well now. All my orbard is plowing and well cultivated. I can see a marked difference between the size of apples on trees that are worked around and those that are not. I have a few trees that I cannot get at to plow around. On these the dry ed and well cultivated. I can see a prepared to meet a long felt need. It marked difference between the size of with the distribution weed seeds and a clear and specific manner with the distribution weeds are around and shows that are not. I have a few rese that I cannot get at the testing of seed for weeds and have a few rese that I cannot get at to plow around on these the dry illustrated and described. The price weether is showing its effect in the of the book through Farm and Dairy size of the fruit already. I fear in is \$1.65 postpaid

many orchards not worked this ye if it continues dry, the fruit will be much under size.—J. W. Clark, Brant Co., Ont.

An All-the-year Vegetable

Although one of the coarser vega-tables, cabbage finds a place in the home garden as well as in the mar-ket garden and the truck farm, and in some sections of America it is ex in some sections of America it are tensively grown as a farm crop. No adequate estimate, however, can be placed en the value of this crop, as it fluctuates very decidedly from year to year, both in acreage and price, the very comparable output is large—the three states of New York, Pennsylvana, and Virginia, which outrank all the others, gove commercially about 50,000 are very commercially about others, grow commercially about 50,000 acres of this vegetable, either a spring or autumn crop.

Early cabbage is practically all con

sumed as a green vegotable; the late crop, on the other hand, is handled as a fresh vegotable, as a storage crop and for the manufacture of sauerkraut. Cabbage is always in demand, and, under present conditions. sauerkraut. Cabbage is always in de-mand, and, under present conditions, is always on the market either in spring as the product of the southern farms, in the fall and early winter from the northern farm and market garden, or in the winter from the stor-age house, where the surplus ket. garden, or in the winter from the stor-age house, where the surplus has been preserved for this demand.

Power in the Apple Orchard

Cultivating and spraying an or-chard of 170 acres would be a large proposition were the work of the by horse power as it usually is, do horse power as it usually is, do Large growers in Toronto last fall that in a 170 acre orchard he has solved the problem of cultivation by setting the problem of cultivation by setting traction gasoline power to work.

broolem of cultivation by setting traction gasoline power to work his orchard intensive cultivation ad the use of cover crops is practised.

lowing is done by gang plows hauled by a traction engine. When harrow-ing, all of the space between two rows

spray under strong pressure, and thoroughly drench the tree. Were the old hand pump used in my orchard it would take a great many to spray at the right time, and with hand pump the average man will not put on pressure enough, futhermore, with a small sure enough; futhermore, with a small barrel much time would be lost in refilling. We use large sprayers on tanks that hold 300 to 400 gallons of spray

"We have solved with gasoline pow-er the problem of managing a large orchard."

A New Book on Weeds

Many excellent bulletins describing injurious weeds have been issued b injurious weeds have been issued by our various departments of agriculture. The demand for these bulletins has been so great that second and third editions have been necessary in the company of the com third editions have been necessary in a comparatively short time. Compar-atively few books, however, that would be of use to the farmer, have been written on this important subject. But

written on this important subject. But now we announce a new book on this subject, it being "Weeds of the Farm and Garden."
"Weeds of the Farm and Garden,"
by L. P. Pammel, Professor of Botavy at the lows State College, has been prepared to meet a long felt need. It deals in a clear and specife manners.

- Recetted POU Are Hens

July 6,

"Do you o rofitable on This is one submit Oregon by Propositry departmentural Col to fa rho sell egg v keepers w t fancy price "A farmer bout such th "but he very muc neil and not ens, so they r m answering ng association browing grain ng the eggs,

CREDIT "If the farr on the hens, loss in the ag hould amount hout \$100,000 United Sta he farmers me ess ability th are going on s year, if it we ut listen to w "Answers to sent us by 333 answered 'Yes,

ere non-comm their answers, of these. The construction is almost unantative. Later I dence from the "Among the

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store it so that ning water in home; in the la room, in the also use the w garden or for a The cost of low. Get our out. Send a po The Ontario WINNIPEG TO

FOR SALE AND TWO CENTS A WO

FOR SALE—Iron Rails, Chain Wir etc., all sizes, ver stating what you Waste and Metal street. Montreal. HARDWOOD ASI

150 ACRES FOR Lobo Town half mile from ten miles from railways; good se bald McGugan, L

SOME HISTORY about Typewriters.



Modern and Ancient

CHAPTER EIGHT

N buying a typewriter the price should be the last consideration.

OU can buy cheaper type-writers than the Underwood, but if you pay less, you get less---a greal deal less.

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TORONTO

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Vegetable

uly 6, 1911

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Orchard g an orbe a large k done by is. Mr. B. e, told Onhas solved by setting r to work.

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Will raise water to any height and store it so that you can have runling water in any part of your beams. In the kitchen, in the bath beams in the kitchen, in the bath beams also use the water to water your garden or for any other purpose. The cost of installation is very considered and cost to the cost of the cost

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THE

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HARDWOOD ASHES—Best fertilizer is use.—George Stevens, Peterboro Ont.

POULTRY YARD

Are Hens Profitable on Farms

"Do you consider poultry keeping septiable on the farm?"

This is one of the series of 25 questions submitted to the farmers of Oregon by Prof. James Dryden of the poultry department of the Oregon Agreditural College. The question was effected to farmers on general farms sho sell eggs or poultry at market



An Open Lunch Counter for Chickens

This illustration shows an outdoor feed hopper for chickens running on free range in the orchard on Mr. J. W. Clark's farm. Brant Co., Ont. Orushed onts is the feed used and it is before the chickens at all times.—Photo by an editor of Farm and Dairy.

prices, not to fanciers or special poutry keipers who sell eggs and stock at fancy prices.

"A farmer has ideas of his own about such things," says Prof, Dryden, "but he doesn't go out of his say very much to give the public the bear of the say very much to give the public the bear of the say very much to give the public the bear of the say very much to give the public the say to say the say of the say o fruit under present market conditions.' Another says, 'Yes, by all means.' Others say, 'Ses, best paying on the farm.' 'Pos, best paying on the farm.' 'Pos, best paying on the farm.' 'Pos, say, 'Yes, much company 'Yes, if you to about 'Ses, 'Yes, if you to doses,' 'Yes, if not too 'North 'Yes, if you doses,' 'Yes, if on too 'North 'Yes, if you have good luck.' 'Yes, to a moderate grant is raised.' 'Yes, to a moderate rent.' 'Yes, if one owns his own farm.' 'Very profitable.' 'Yes, for for family use.' Would not do without hens.' 'Yes, pay big profit.' 'When proper attention is given.' 'Not the way we keep them.' 'Yes, in a small way.

proper attention is given.' Not the way we keep them.' Yes, in a small way.'

"With good houses, etc., yes, otherwise, no,' says one, and another makes a similar reply. With proper care and attention, yes, but if not, I say no.' Others say, 'Yes, as well as anything else.' 'Yes, if proper person has them.' 'Has not been so far.' 'Don't think much of it.' 'Will be when properly regulated.' 'The most profitable on farm of anything.' 'Fairly; total failure last year.' A small flock.' 'Large farm, yes; small farm, no.' If you have good hens.' 'Owing to the care they get.' 'Yes, if all did so small has the old hens.' 'Yes, on small say they will be some the same of the same should be say they are they grain is raised on the farm.' 'It helps gome.' 'Wes, if sproperly handled, though I have not seen particularly successful myself.' 'Yes, if properly handled, though I have not been particularly successful myself.' 'Yes, if the waste on the farm is considered, and not too many are kept.' 'Yes, on a large farm, not on a small place.' 'I' he waste on the farm is considered, and not too many are kept.' 'Yes, on a large farm, not on a small place.''

Gapes in Chicks

My neighbor's chickens are all dying with gapes, and I have 166 which I would like to save. Can you tell me what to do for them, and also advise a remedy for lice on little chicks?—P. C.

This disease is due to little worms in the windpipe, which come from the chicks eating earth-worms. If they are never allowed on the ground where there are earth-worms, they will not get the green search-worms, they will not get the green them on the barn floor, or on soil well covered with lime or ashes, they will be free from this disease; hat, of course, they do much better if allowed to run out, especially during nice weather. in the windpipe, which come from the

better if allowed to run out, especially during nice weather.

Within the earth-worm the little gape worm is encysted, just as the parasitic worm causing the human discase known as trichinosis is encysted in the flesh of pork and develops when caten by a person. In the same way does this title gape worm remain in the earth worm until eaten by the fowl or chick, when it develops into the gape worm, causing the disease which indicates its presence.

gane worm, causing the disease which indicates its presence. Indicates its presence, and the comparation of the comparation of

Itimes too strong, it one is not careful.

One simple remedy which I have seen successfully used this spring is common kerosene or lamp oil applied by dipping the tip of a feather into it, and inserting it into the windpipe of the chick. The shank of the feather should be stripped of its side barbs and only the tip remain to act as a soft feather brush. By opening the mouth of the chick and pulling the tongue slightly, the opening in the windpipe is to be seen, and the feather can be inserted. This apparently does not cause much pain, and the operation is soon finished. It appears that non touch of the oil against the gape worm is enough to kill it, even though it is not removed with the feather at the time of treament. I saw a large the time of treament. I saw a large number of chicks so treated this number or enicks so treated this spring and everyone recovered after treatment. This appears to me to be more certain, and even more humane, than to attempt to remove with a horse hair loop, which is commonly used inserted in the windpipe.

For lice on little chicks I recommend For nee on little chicks I recommend a drop of grease on the head and under the wing. Do not use much. Only a slight drop or touch is enough, and put a little under the wings of the mother hen.—Prof. H. A. Surface, State Zoologist, Pa.

There are a great many ways and plans for building poultry houses. The plan makes little difference as long as the house is dry and free from draughts.—Mrs. J. H. Rosebrugh, Brant Cc., Ont

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FARM AND DAIRY

(10)

AND RURAL HOME



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FARM AND DAIRY PETERBORO. ONT.

OPPORTUNITY IN ONTARIO

A visit to the small farm owned and worked by Mr. J. W. Clark, of Brant Co., Ont., described on page three this week, brings one face to face with the cold fact, long known, that we in Ontario have plenty of opportunity. We need but to grasp our opportunities lying thick all about us and suc-Any man of intelligence, willing

and eager to learn and to adapt himself to conditions as he finds them can do again just what Mr. Clark has done and is doing. A lot of us farmers would find it very profitable to pay more attention to a few acres, farm them with more labor and develop their possibilities rather than keep on with the less-profitable, extensive work over many acres of what ought to be and will yet be developed into very high priced land of which we have lots in Ontario as good as the best elsewhere that people eagerly seek and pay long prices to get.

We deem ourselves fortunate in making, farm-improving farm prachaving had the privilege of inspecting Mr. Clark's farm and his work and we are glad to place before Farm and Dairy readers an account of his successful establishment. May it be the means of causing others to rise to their possibilities and demonstrate to others and to the world at large the unbounded wealth capable of being developed on small farms in Ontario.

DARE WE BELIEVE?

A little knowledge is a dangerous thing, and it is well that we farmers generally are nottooquick at forsaking the old and taking on the new. Many of us, however, are working this principle overtime, much to our direct

The situation was well illustrated to an editor of Farm and Dairy recently while conversing with a farmer in Western Ontario, and more recently with another farmer in Victoria county. The question was brought up thus: The Western Ontario friend said, "But can we believe these things that we read about in the farm papers? We hear about those cows that make such splendid records and such Lig profits. Now, I have what I consider to be some real good cows, and I kept track of what they did for three months. The best return I could get was \$10 a cow per month.

We assured this friend that if he could do that well with all of his cows he had no cause to complain or to question better results secured by others. We asked how much meal he fed and with what other rations. As near as could be estimated these cows were receiving from four to five pounds of meal a day, whereas we assured this man that the cows the records of which he could not believe had probably received from 20 to 30 pounds of meal 1 day, and these cows were of special breeding and probably were given special preparation before entering on their record making period

Our Victoria county friend was not aware of the identity of our representative, and when discussion turned to the matter of increasing his farm returns financially, he said, "Well, you know, I believe that I should have a silo and grow corn, and I should grow alfalfa, and there are many other things that perhaps I might do to advantage as I read about in Farm and Dairy. I take several papers, but the only one I care a snap about or ever read very much is the Farm and Dairy. However, I am not just certain in my own mind whether or not it is safe to believe these things we read about." Then we made a truer acquaintance and had a real good talk

Many of us have gotten ourselves up to that stage where we believe this or that to be the proper thing to do, but we hesitate on the brink of the necessary action and expenditure, fearing that we have been misinformed. On this point we can assure Farm and Dairy readers that our editors are practical farmers and men of experience who are in touch with the most approved methods of money-

tise, and while, being human, we are liable to err, every safeguard is exercised that only reliable information may appear in these columns. whole business is at stake and is behind what we publish in Farm and Dairy. Therefore, one may with every reasonable assurance follow methods advocated in these columns.

Those who will continue to hold back have only themselves to blame if, when they awaken some years hence, they find that they have lost five years, it may be 10 or more, during which time they might with great profit to themselves have followed the suggestions and adopted the practice of the more successful farmers as is advocated and explained in these columns from week to week.

RECIPROCITY AND U.S. FARMERS

Interested parties in Canada are going to much trouble and great expense to tell us Canadian farmers that reciprocity will be our ruin. Some of this kind advice comes from the pork packers and millers who fear that they may have to share their enormous profits with the farmer should reciprocity become law. Other and wider interests-all those who benefit by tariff favors - fearing that the whole system of protection is menaced are joining in the cry against reciprocity and through that part of the press that they control are drawing a long face and prophesying hard times for us farmers should we open our markets to the farmers of the United States and take advantage of markets in the United States.

The way in which the United States farmers view the privilege of free entry to our markets may be seen from the following paragraph that appeared in display type in the National Grange Monthly, the official organ of the organized farmers of the United States .

"The time has come for the "farmers of the country to strike "a telling blow against Canadian Reciprocity, now under discus-sion in the Senate of the United States. Whatever is done must be done quickly, and the farmers "must act together. The proposed treaty strikes a blow at the agricultural 'the agricultural prosperity
'the country, will reduce the come of every farm home, dimin-"ish the value of every acre and blight the prospects "farm owner and worker in the "United States. The proposed "treaty would force the farmer upon an absolute free trade ba "is on everything he has to sell, but retains high protection on "everything he has to buy, thus 'violating every principle of 'right, fairness and justice. Only by mighty and united protes 'can the farmers of the country 'effectually ward off the impend-"ing disaster, and the time for action is at hand. The case is The case "urgent, the need imperative, the "call a duty."

Why this fear of reciprocity on the part of the United States farmers? Surely if our market is as valuable to them as the "interests" would have us believe, United States farmers would be fighting for reciprocity rather than opposing it.

The fact of the matter is that the

farmers of the United States of as clearly as we do that the U. S market is the better of the two that while in the United States con aumption is rapidly overtaking and will soon pass production, in Canada the tendency is exactly in the opposite di-The determination with which re-

ciprocity is opposed by the farmers of the United States and by our protected interests should be a convincing argument to all us Canadian farmers that free entry to the United States markets will be of great bene fit to us.

SOMETHING TO THINK ABOUT

British battleships that passed before King George's eye on the occasion of the naval review at the core ation represented a value of \$400,000.

In years of unusual prosperity the wheat crop in Canada is valued at \$100,000,000

Mr. J. A. Ruddick, Canadian Dairy Commissioner, was considered by many to be too optimistic when he valued the total dairy output of Canadian dairy farms last year at \$106. 600,000

Twice the combined value of our wheat crop and our dairy produce, was represented by that part of the British Navy that assembled in the home waters at the time of the coronation!

We in Canada are supposed to be free from the curse of militarism. We have been too busy building up our country to spare men and money to protect" us against illusionary foes. But few of us realize how serious has become the burden of militarism even in Canada. With what many are pleased to call a "tin-pot" navy and with a system of volunteer training. not supposed to be expensive, the money spent for military purposes in Canada last year totalled between 20 and 30 per cent. of our entire revenue. And yet we have hardly made a fair start towards establishing an army or navy. Ought we to permit this expenditure to go on and increase? We think not. Consider where it will lead us!

In districts where siles are as yet not common, many converts to the sile idea are holding back fearing the

difficulty of filling the A Silo silo. These men might Problem to their own and to their neighbors' great acvantage get two or more neighbors to erect silos and purchase and operate on the cooperative plan a silefilling outfit. Shortly after siles are once established in a district the problem of filling it is soon solved since every thresher, in order to get and retain patronage, must operate a sile filling outfit for the convenience of his patrons.

Improvement of quality in any line of produce always induces larger consumption, even under advanced prices. This is why orchardists who spray and poultrymen who specialize in guaranteed fresh eggs never worry about over-production.

A Nev The disco Brantford Brant Co., caused an a subjects of t

July 6,

An Oil

Many outfits

working day in Brant Co., editor of Farm farm, on the ners of Bran years had a r gressiveness, a and elsewhere district such buildings, and tive, almost p all testifying the soil and the the tillers ther for themse Their basic oc likely ever be the oil busine

oromise, these financially ever out extra effor first obtained it is almost a mers, especial supplying all t and returning eeding the ma company. LAND

Land in all part of Brant winter and spr ease to what Standard Oil tions of the less the demands m mers. The ter gas compa points as they r produced goes owner of the market the pro-business. Shou quantit give \$100 for the farmer with both for heat a totals about 1,0 combined togeth letter terms th foregoing. The every fourth bar is to continue r

GOOD BARGAL! Some of the fa interest, outrigh e discovered un these farmers w R. A. Smith, or Road, who is to

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A New Interest in Brant

The discovery of gas and oil in Brantford and Onondago townships, Brant Co., Ont., in recent years has caused an unusual interest, amongst farmers and others in that part, in subjects of the soil other than relating to the practice of farming. The far-



An Oil Well Drilling Outfit

Many outfits such as here pictured are working day and night drilling for oil in Brait Co., Ont.—Photo taken by an dilor of Farm and Dairv of a dellar's rig, working on Mr. J. W. Schyuler's arm, on the Paris and Apps Road.

mer of Brant county have for many years had a reputation for their progressiveness, and one probability of their profined elsewhere in a general farming district such fine farms, and such large and attractive, almost palatial, home the titles therefore the solution of the profit of the soil and the progressive industry of the tillers thereof who have established for themselves these ideal homes. Their basic occupation—farming—will likely ever be their mainstay, but if the oil business develops as it gives promise, these people may rapidly wax inancially even much better off with-out extra effort.

out extra effort.

It is some few years since gas was
first obtained in the district. Now
it is almost a common thing for farmers, especially those in Onondago
township, to have their own gas wells
supplying all their heat and lighting
and returning them a monthly income
of considerable proportion through
of considerable proportion through considerable proportion through seding the main pipe lines of the gas

LAND UNDER LEASE

Land in all directions in the lower part of Brant has during the past winter and spring been placed under winter and spring been placed under lease to what is supposed to be the Standard Oil Company. The condi-tions of the leases vary according to the demands made by individual farthe demands made by individual far-mers. The terms generally are that the gas company may drill at such points as they may choose, and should they strike oil, every eighth barred produced goes to the farmer or the ener of the land, the company to market the product and settle for the basiness. Should they strike gas in paying quantities, the company will give \$100 for each well and supply the farmer with all the gas he requires both for heat and light.

the farmer with all the gas he requires both for heat and light.

A number of farmers, their land totals about 1,000 acres in a block, combined together and secured much letter terms than mentioned in the foregoing. They arranged to get every fourth harrel, and the company is to continue right ahead with their drilling on this property.

6000 BARGAINS FOR OIL RIGHTS.

SOME of the farmers have sold their interest, outright, in any oil that may be discovered under their land. Of these farmers we might mention Mr. B. A. Smith, on the Paris and Apps.

for his farm provided the company gets a well in his farm that will pro-duce 10 barrels a day. On these con-ditions Mr. Smith is te get the \$200 per acre and still own his farm, and may work the same. It is, of course, problematic whether or not oil on this farm will be struck in paying quan-tities, but nevertheless it is a very interesting and an attractive proposi-interesting and an attractive proposiinteresting and an attractive proposi-tion for anyone to have such an offer in writing for what may be found on

The leases as held between the far-The leases as held between the far-mers and this oil company are good for one year. The work of drilling must start within 30 or 60 days from the time the lease is drawn, and after that time the farmer receives \$1.00 a day until such time as drilling com-mences, otherwise the lease becomes world.

POSSIBILITIES OF GOOD RESULTS

void.

POSSIBILITIES OF GOOD RESULTS
Only 10 miles away from this location on the Paris and Apps Road it was learned by an editor of Farm and Dairy, who was in this district recently and took the photos retroduced herewith, that oil is being produced in paying quantity. Down need to work ago some highly productive weak have been struck. One well, it is said, is producing 30 harries a day, and it is a flowing well. It will be seen that at any rate the farmers south of Brantford possess what looks like good prospect for oil, and one can appreciate how the situation locally has caused lots of talk. The farmers (wise they are) are keeping on working as usual, and if the oil is attuck they will be that much to the good.

After visiting a number of farmers.

After visiting a number of farmers on the South Paris Plains, our repre-sentative drove on down through Cainsville and on to near Onondago,



The Contractor, Drill and Baler

To the extreme right may be seen the "bit" of the drill used to sink the oil well. Nest it to the left is the baling wall. The total to the the time to the total to the total

Photo by an editor of Farm and Dairy.

where are the rich producing oil wells. At Cainsville it was learned that for some time there had been 14 cars a week of oil loaded on the railway. Some extra good wells had been struck, these being from 600 feet to 800 feet in depth. One farmer three miles below Cainsville, who has a 40 acre farm and has it leased to the oil acre farm and has it leased to the oil acre farm and has it leased to the oil company.

lbs., equal to 460 lbs. of commercial butter

make an outlay of even \$1. He might be receiving much more had he made a better lease with the company. All through this district drilling machines are at work day and night running with two shifts of operators. Coal is being hauled to run the en-gines, and where the producing wells are numes are working day and with are, pumps are working day and night pumping the oil and running it on to the railroad stations, where it is loaded on to the cars.

WINNIPEG

the railroad stations, where it is loaded on to the cars.

NATURAL GAS IN A FARM HOME
While in this district our representatives a stayed over might with Mr. A.

The stayed over might with Mr. A.

Within Sickle, of Onondago township.

Within Sickle, of Onondago township.

Within the part two or three years he has pit in first one wells, one of which, the first one wells, one of which, the first one gas wells, one of which, the first congress of the pit of th

The Jersey Cow for Butter

The Royal Danish Agricultural Society, after testing all the leading breeds of dairy cows, says The Dairy, an English exchange, have recom-mended the farmers of the country to foregoing. They arranged to get every fourth harrel, and the company were fourth harrel, and the company were fourth harrel, and the company is to continue right ahead with their week of oil loaded on the carries were fourth his property.

6000 ameging a great work in America. Since the green week of oil loaded on the carries were green were fourth and the second of the continue right ahead with their week of oil loaded on the carries week of t

VANCOUVER

The capacity of the Jersey as a but-

bbs., equal to 460 lbs. of commercial butter.

The capacity of the Jersey as a butter-producer may be shown by the fact that 39 cows gave over 700 lbs. fact that 39 cows gave over 700 lbs. of the fact that 39 cows gave over 700 lbs. of the fact that 39 cows gave over 700 lbs. of the fact that 39 cows gave over 700 lbs. Four of the cows yield gallons of milk, three cows exceeding gallons. Four of the cows yield gallons. Four of the cows yield gallons. Four of the cows yield gallons of all being 1126 lbs. of the gave saturding that were a figure so astonning that were a fact the third would be almost impossible to accept the work of work of the work of the work of work



STEEL BARN TANKS

Our Tanks and Troughs are made of heavy galvanized steel, thoroughly riv-eted and soldered, making them ab-solutely watertight No matter what your requirements are in tanks we can fill your order. We guarantee quality of material and workmanship. Tell us what you require Write for catalogue D and special prices. Agents wanted.

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If you desire rest and recreation, why

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Folders descriptive of the Thousand Is.
Innds, Rapids, Montreal, Quebee, Murray
River, etc., on applied for famed Saguensy
River, etc., on applied Famed Saguensy
River, etc.,

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SYNOPSIS OF CANADIAN NORTHWEST LAND REGULATIONS
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family, or any male over if years old,
may bomestead a quarter section of available of the control of the control

Cheese Department

Cheese Department
Makers are invited to send contributions to this department, to ask questions on matters relating to cheesemaking and to suggest subjects for discussion. Address leitzers to The Cheese Maker's D partment.

Dairy Instructors at Belleville

Because consequences Ward, the maker, had everything in the instructors. "I wish I could get fine shape, although he was not expecting a visit from so many dairy experts. The utput of this factory is 105 tons. Its cool curing room attracted particular attention from the castern instructors, as in all the district covered by the sign all the district covered by the sign and the castern instructors. trict covered by the eight instructors not one has a properly equipped cool curing room. It was warm outside, but in the curing room the thermo-meter showed 58 degrees, and Mr. Ward said that the temperature the Several of the many fine cheese factories in the Belleville District of Ontario were visited on Tuesday last week by dairy instructors from the far eastern counties of Ontario under the supervision of Mr. G. G. Publow, Chief Dairy Instructor for eastern Ontario. The visiting instructors were



Some Eastern Dairy Instructors on a Trip of Inspection

A party of Eastern Oniario dairy instructors, under the guidance of Mr. 0.

A party of Eastern Oniario dairy instructor for Eastern Ontario, recently visited seven of the manual manual content of the manual manual content of the cont

from that section of Ontario where small factories are the rule. Mr. Publow's object in bringing these mstructors to see the large and well equipped factories of the Belleville equipped factories of the benevine District was to have them make a close range study of how cheese fac-tories are conducted in a district that has a reputation for good factories and good cheese

and good cheese.

The instructors who made the trip
of inspection were: G. H. Barker,
Vankleek Hill; J. Buro, Mille Roches;
W. W. Dool, Ottawa; T. J. Ellis,
Chesterville; C. B. Larry, Finch;
McKinley, Curran; J. McAllister,
McKinley, G. Williams,
Williams Chesterville; C. B. Larry, Finch; A. McKinley, Curran; J. McAllister, Curran; and C. W. Norval, Williamsburg. Mr. Henry Glendinning, president of the Eastern Ontario Dairymen's Association, Mr. Thos. Ketcheson, of Belleville, and F. E. Ellis, of the Farm and Dairy editorial staff, association, the restational staff, accompanied the party, which was under the direction of Mr. Publow. The local instructors, T. E. Whattam Was and H. Howie, also accompanied the party.

IMPORTANT POINTS EXEMPLIFIED

The party left Belleville in two automobiles, and spent the raorning in Prince Edward county. The Mas-sassaga factory was first visited. This is a well equipped factory, and Mr.

of cheese boxes is not practised in

Mr. the more easterly sections.

Mr. the more easterly sections.

Mountain View, the next factory well visited, is one of the finest in eastern will be considered as a constant of the more than the constant of the constant factory anywhere, but it has been completely remodelled. The output 1 st seazon was 225,000 lbs. of cheese.

the instructors. "I wisn I coult get all the patrons in my section," said Instructor Barker, "to visit this farm. It would be an eye-open-guither than all right." Mr. Andersen 12 them all right, "Mr. Andersen 12 them all right to the factory daily.

Attan variaking of refreshments.

After partaking of refreshments provided by Mr. Anderson, a seven mile drive was made to the Quinte factory, where the party was received by W. I. Hicks, the maker. by w. t. triess, the maker. Over miles from one cheese factory to ano-ther seemed extraordinary to the castern instructors, who are used to having a factory at least every two or three miles. This factory, as were or three miles, this factory, as were all whose varietied was anniunced with all others visited, was equipped with a splendid cool curing room, a steel whey tank, and all facilities necessary to make good cheese and to care for the by-product in a satisfactory manner. The party then returned to Belleville for dinner.

In the afternoon four of the facts

In the afternoon four of the factor, ies in Hastings county were visited by these being Foxboro, Sidney Town thall, Sidney, and Bayside. All of these factories each had an output exceeding 100 tons. All were equipped with cool curing rooms, and all were found in first-class condition, at though the visit was unexpected to were found in arst-class condition, at though the visit was unexpected. In the evening the instructors returned to Belleville well satisfied with what they had seen and learned during the

day.

SHONIFICANCE OF THE THIP

Special significance may be attached to the tour of inspection made by the far eastern instructors, and it is the far eastern instructors, and it is the far eastern instructors, and it is strongly in the way of progress in the sastern section of Ontario is the small factories in that section are privately owned. The proprietors are hardly making and are not included in the proprietor of the proprietor in the progress of the progre output of from five to 10 tons; 25 to 40 tons is the rule.

Cheese cannot be kept in the curi

rooms of these factories for any length



Dairy Instructors Visit a Fine Prince Edward County Farm On the occasion of the visit of the Raziern dairy instructors to the Believille district last week a visit was paid to the farm of Mr. Jus. Anderson of Pince Edward Co., Ont., whose fine home may be seen in the background.

—Photo by an editor of Farm and Dairy.

SANITARY, ARTISTIC and FIREPROOF is the verdict of the critic concerning Metallic Ceilings and Walls

and they are moderately priced and so easily laid. A splendid
"Metallic Ceilings and Walls ere a
Tange of new and standard
great precision, spinist pre-action sound consignation of the consistency
with the thut and falling bits of platter,
—The Philosopher of Metal Team
ing all about then, Phone Park, Soo, Write us for artistic booklet tell ing all about them. Phone Park, 800, MANUFACTURERS



Cheese made at this factory took first prize at the Dublin Exhibition a few years ago.

At this factory the party was met years ago.

At this factory the party was met the year of the work Butte and to ***** A. 80 My m pipette that for is speedi

July

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pette inc rate and -T m with the opin ho have ally the subject at eamery melph, Meter, cla nually rapi rest day I rott, "I a conder if t rer.' Wit I for

ccuracy, scales a t that in the pinett ipette has irate.—Edit Dairy Con Prof. W. Dairying, 1

en to tes

In Michiga ch patrons ducts. In is in use pries, althour this basi that T v with. aying the butterfat. based on s the cream ered, or s m or mill Another way man a cert ter. The amery for th and the net

less three e is determ id according The last way ative plan id from the the creamer

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and is sending 1200 factory daily of refreshments

Anderson, a seven

party was received be maker. Seven

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good cheese

ring. Instructor Instructor

year one of his 1,900 pounds of factories had an o 10 tons; 25 to

ept in the curing

hat stands

s unexpected. tructors returned

nesses see eace eace eace the the remainder divided among the pat-I wish I could get my section," said **Creamery Department** an eye-openor to Mr. Anderson

July 6, 1911

Creamery Department Butter makers are in vited to send conributions to this department, to ask question to suggest and the top to the control to suggest and to suggest to desire to the control to suggest to desire to creamery Department.

Favors the Pipette

Favors the Pipette.

A. Southworth, Victoria Co., Ont.
My main reason for favoring the
pipette in taking cream samples is
that for practical reasonery work it
a specifier and gives results that I
believe are practically accurate. In
our creamery we have 220 patrons. I
have plenty to keep me busy witheat doing any testing at all. When
the testing is added, therefore, we
shopt the specifies method that will
if the same time give accurate relight that the same the pipette into the
full volume of the way get in
full volume of the way get in
full volume of the world we
see the scales the pipette would have
see the scales the pipette would not be rised between each sample, and
the weighing would mean that much nty were visited for Sidney Town Bayside. All of had an would mean that much

dditional work.

Thick sour cream may not get an ecurate test by the pipette. I believe, however, that were the test a little low it would be an incentive to patrons to send sweet cream. re not found that the use of the sette induces them to send a thin d I believe, however, that for ac-rate and practical work the scales re better, I would certainly adopt

Note.—The time necessary to test ream with pipette and with scales is the opinion of many creamery men he have adopted the scales practi-

is the opinion of many creamery mension have adopted the scales practically the same. Speaking on this subject at the last meeting of the reamery men of Western Ontario at fuelph, Mr. John H. Scott, of Exter, claimed that the scales were squally rapid with the pipette. "The fint day I used the scales," said Mr. Scott, "I said to myself, "Well, I would fit this job is to continue for ser." With more experience, hower, I found that there was no saticable difference in the time skee to test the cream samples." As a sceuracy, there is no question that he scales are to be preferred. The het that in the leading states of the fuiled States and in Alberta the use if the pirette has been prohibited by ar is sufficient indication that the support of the scales of the protect has been found to be inacture.—Editor.

Dairy Conditions in Michigan Prof. W. B. Liverance, Prof. of Dairying, Michigan Agri. College.

Duirying, Michigan Agri. College.

In Michigan there are four ways in hich patrons are paid for their milk doutes. In the first place, milk is acht at so much a cwt. This methics in use principally at cheese facilis, although there are yet a very creameries which are buying milk this basis. We advocate very may that his method be done there is, another method paying that his method be done buying the this price is greater, based on some eastern butter marchased eastern butter eastern butter eastern butter eastern easte based on some eastern butter ma-the creamery man paying practi-y the market price for butterfat wered, or some amount off from in case the factory collects the m or milk

nother way is to pay the cream-man a certain amount for making y man a certain amount for making titer. The net proceeds of the samery for the month are determin-and the net price a pound for bur-t. less three cents a pound for mak-ris determined, and the patron id according to the amount he has

The last way of payment is the co-The last way of payment is the co-greative plan whereby the patron is difform the set proceeds of the lamery that is, the total proceeds the creamery are determined for bouth, expenses deducted, and reason is diagrunted I make it a

the remainder divided among the pat-trons in proportion to the amount of fat each has delivered. In the private creamery, the payment of the patron for his fat on some butter market quotation is principally followed, while all of the cooperative creameries pay on the cooperative system. pay on the cooperative system.

ALL USE SCALES, NOT PIPETTES

The creameries in Michigan are The creameries in Michigan are practically all using cream scales in the testing of cream, and this condition rules in all of our principal dairy states. We advocate it to our creamery men every chance we get, and we are showing the farmers that it is to their interests to see that every creameryman tests his cream by the use of the cream scales.

use of the cream scales.

It is generally conceded by all dairymen that the men of to-day are much more progressive than the old creamerymen. In our state we find that the old butter makers and cheese makers still cling to the old methods but the young and more progressive ones are taking up the new methods because they realize that they are the ones for the future.

A METRIOD THAT DIES HARD

Very few of the old methods are
adhered to in this state except the
buying of milk for cheese making by
the weight. The reason these people
do not change is that the farmers are
educated to this method and have bred
educated to this method and have bred
animals which will produce large
quantities of milk with a low per cent.
of fat. They realize that they could
not get so much out of their milk if
sold on the butter fat basis, and I have
found it to be true in most cases that A METHOD THAT DIES HARD sold on the butter rat basis, and I have found it to be true in most cases that they are against taking up the new methods because of this fact. Several of the cheese factories are buying now on the butter fat basis and it will be only a few wars before they will be only a few years before they wil all be paying according to quality

Confidence in Creamery Work A. H. Halls, Garretson, S. Dakota

A. H. Halls, Garretton, S. Dukotu.
That creamery patrons have confi.
dence in the maker is important. I
believe that mest of my patrons have
full confidence in me. This confidence
is sometimes pretty hard to get, even
if you deserve it. I always try not
to make a patron feel "sore" by always going after him with "teeth and
tocnails" if his cream is not as good
as it should be. I realize that it is
sometimes necessary to go after a as it should be. I realize that it is sometimes necessary to go after a patron strongly to make him bring better cream but I never say any-thing to him about his cream when thing to him about his cream when other patrons are around, and when I dc say anything I do not go after him in such a fierce way that he gets frightened and never again comes near the creamery door. I talk to them in such a way that they never get sore and sell to an outsider on that scound. that account

that account

All creamery patrons cannot be
All creamery patrons cannot be
all creamery patrons cannot be
handled in the same manner. Some
arrevery sensitive and need only a
hint, others again need a lesson
hint, others again the cannot be
any imprevement. A successful buttermsker must know his patrons. I
termsker must know his patrons. I
termsker well acquainted with my
patrons. Those who do not come
to the creamery themselves I make a
point to see every now and then.

MUTUAL UNDERSTANDING

point to see every now and then.

It is not only important that the buttermaker know his patrons, but the patrons must know the buttermaker. This mutual understanding of each other abould spell confidence in each other abould spell confidence in each other abould spell confidence in each other and friendship. My experience has been that such a relationship between creamery management and patrons is a stronger force for the success of the local creamery than its discord or even attractive offer is discord or even attractive.

point to see him as soon as possible before he has a chance to stir up any trouble among the other patrons. It trouble among the other patrons. It is usually a small misunderstanding troutle among the other patrons. It is usually a small misunderstanding that causes the disastisfaction. As soon as the matter has been the disastisfaction as the matter has been the truther and patron the trouble in a warm comp: if nothing is doen in the beginning the trouble and disastisfaction spreads and increases like a rolling snewball.

Mould on Butter

J. A. Ruddick, Dairy Commissioner. J. A. Ruddies, Dairy Commissioner.
One of the troubles of butter storage is in the development of mould on the parchment park ining of packages, on the surface of the butter and even throughout itses. Mould is a low form of plant life 1, is not a synchronous growth but the control of the co a spontaneous growth, but comes only from seed, just as the more highly organized plants of the fields do. The seeds, or more properly speaking, the spores, of mould are very common in e form of dust almost everywhere. the form of dust almost everywhere. The conditions which develop them are dampness, suitable food and a favorable temperature, with a rather wide range, all of which are present in a butter package.

The trouble can generally be traced to the creamery, where by careless handling, either the parchment paper on the packages have been infected.

handling, either the parchment paper on the packages have been infected. Packages made from unseasoned wood are sometimes responsible for the growth of the mould. The salts of unseasoned wood appear to furnish suitable food for mould growth. Con-ditions in the cold storage warehouse-clust favor the dawalcoment of the ditions in the coid storage warehouse lasy favor the development of the mould. Thorough disinfection butter rooms at least once a year is imperative if the rooms are to be kept sweet and free from mustiness. I have found the best results from

washing all interior surfaces with a sclution of one part of bi-chloride of mercury to 1,000 parts of water and, of course, everyone is aware of the beneficial effect of a periodical coating of whitewash.

BEST RECORD Ever Made by Any Cream Separator. Only

SHARPLES Could Do It.

We have repeatedly told you that Sharples Dairy Tubular Cream Separators were all lifetime. One of our require hand-driven Dairy Tubular Cream Separators were all lifetime of the company of the company

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The mineral surface is better and more durable than many coats of paint.

coats of paint.

Back of the mineral surface
is a layer of pitch, the greatest
water proofing compound
known. Back of the pitch is a
layer of felt (a whole ready
roofing in itself), and behind
this is another layer of pitch

We will be glad to send you free a sample of Amatite Roofing so that you can see for yourself just what it looks like. Address our nea est office.

Everjet Elastic Paint Low in price. Great in durability. Invaluable for prolonging the life of ready roofings, fences, iron work, etc.

Creonoid Liee Destroyer and Cow Spray It will keep flice away from the cows. It will keep lice and nits away from the poultry, make everything sanitary and increase their output.

THE PATERSON MFG. CO. Limited Montreal Toronto Winnipeg
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to the Belleville derson of Prince l. Parm and Dairy.

of the factories aken out of the Monday. Un-s larger factor-tible for their e rank as doe terly districts ese districts of been made

se business as l-equipped fac-back to their prepared to arger factories



EXT to excellence is the appreciation of it.-7 hackery

The Road to Providence

(Copyrighted)

MARIA THOMPSON DAVIESS (Continued from last week.)

SYNOPSIS OF "THE ROAD TO PROVIDENCE."

SYNOPSIS OF "THE ROAD TO PROVIDENCE."

Wingate, a fanous singer, who has myseriously lost her voice. Mrs. Mayberry, and wingate, a fanous singer, who has myseriously lost her voice. Mrs. Mayberry in the city, but among the home neighbors there in four is a rising doctor in the city, but among the home neighbors there in a rising doctor in the city, but among the home neighbors there in the city, but among the home neighbors there in the city, but among the home neighbors there in the city, but among the home of the city, but among the home neighbors there is a provide in the left of any time since the loss of her voice. Mother Mayberry takes into her home covers she is coming to care for Tom Mayberry missionary. May brigged the covers she is coning to care for Tom Mayberry or the strong-set desire is to be able to restore her power to sing. Dr. Mayberry matter if she was a strong to the control of the contro covers age is to be able to retion that the is so happy, it does not have at desire is to me one occasion that the is so happy, it does not have at the control of the cont

"Child," answered the Doctor's mother quietly, with a quick sadness spreading over her usually bright face. "they ain't nothing in the world that can be as cruel as true love when it goes blind. Tom Mayberry is a good man and I borned, nursed and raised him, but I won't answer for him about no co'ting consiptions. A man lover are a shy bird and they can't nothing but a true mate keep him steady on any limb. You aint showed a single symptom of managing Tom yet, but 'somehow I've got confidence in you if you just keep your head now."

"But what can the matter be?" de-manded Miss Wingate in a voice that

manded Miss Wingate in a voice that shook with positive terror. "Well," answered Mother Mayberry slowly, "I sorter sense the trouble, and I'll tell you right out and out for your good. Loving a woman are a kinder regeneration process for any man, and a good one like as not comes outer it humbler than a bad one most times. Tom have wrapped you around with some sorter pink cloud of sentiwith some sorter pink cloud of senti-ments, tagged vou with all them bo-kays the world have give you for singing so grand, turned all them lights on you he first seen you acrost, and now he's afraid to come nigh you. I suspect him of a bad case of chick-en-heart and I'm a-pitying of him most deep. He's just lying down at vaur feet waiting to be picked up."

most deep. He's just lying down at your feet waiting to be picked up."
"I wonder where he is" exclaimed Miss Wingate as a light flashed into her eyes and a trace of color came back to her cheeks.
"You'll find him," answered the

"You'll find him," answered the Doctor's mother foomfortably. "and when you have you no call to make squaw tracks behind him either. Go on and find him! A woman have got to come out of the pink cloud of her husband some time, but she'd better keep a bit to flirt behind the rest of her life. Look in the office!"

"When I came up the Road the others were all here and I waited to see you until they were all gone," he answered her, just as quietly and in just as controlled a voice and with possibly just as wild a throb in his heart. "I have been writing to Dr. Stein. and there are the press bulletins, subject to your approval." He pointed to some letters on the table which she never deigned to notice. She had drawn herself to her silm young drawn herself to her silm young which a beautiful stateliness in her height and looked him full in the race with a beautiful stateliness in her manner and glance. Her dark eyes never left his, and she seemed wait-ing for him to say something further

to her.

"You know without my telling you how very glad I am for you," he said, gently and his hand trembled on the window ledge.

"Are you?" she asked in a low tone, still with her eyes fixed on his face, but her lips pressed close with a sharp intake of breath.

"Yes," he answered quickly, and this time, but he note of early wend to the still with the note of early wend.

intake of breath.

"Yes," he answered quickly, and
this time the note of pain would
sound clearly in his voice. "Yes, no
matter what it means to me!"

The pain of it, the haggard gray the pain of it, the haggard gray eyes, the firm young mouth and the droop of the broad shoulders were too much for the singer girl and she smiled shakily as she held out her



A Neat and Attractive Cottage for the Hired Man

This cottage was built at a cost of \$300, by Mr. J. W. Clark, Brant Co., Ont., it commondate his lired man. Mr. Clark keeps two men by the year on his 25 acr arm. He contends that many of understand the man will find it much more profitable to cusehold department should read the amountedate them. Every reader of this cusehold department should read the amountedate them.

she wants to and it's likely to outen the oven a husband. All Elin-ory's fine songs are about to end in little chorus cheeps with Tom under Mother Mayberry's wings, the Lord be praised!"

And over in the office wing the sit-And over in the office wing the situation was about as Mother Mayberry's experienced intuitions had predicted. Miss Wingate found the young Doctor sitting in the deep window and looking out at Providence Nob, which the last rays of the sun were dying blood red, with his strong young face set and white. The battle was still on and his soul was up in arms.

Where have you been?" she asked quietly as she came and stood against the other side of the casement. The pain in his gray eyes set her heart to throbbing but she had herself in hand. "But, dear, It isn't right at all," whispered the young Doctor to the back of the singer lady's head, as he laid his cheek against the dark braids "Your voice belongs to the world-there must be no giving it up. I can't let you—I.

there must be no giving a she let you.—I.—
"Listen," said the singer girl as she raised her head and looked up into his face. "For all your life you will have to go where pain and grief call you, won't you? Can't you take my voice with you and use it—as one of your—remedies? Your Mother says songs can comfort where words fail; let me go with you! Your father brought go with you! Your father brought go. The herb basket to Providence. can comfort where words fail: let me go with you! Your father brought her and her herb basket to Providence—won't you take me and my songs out into the world with you! You't send me back to sing in the dreadful crowded theatre to people who pay to hear me. Let me give it all my lifelong, as she has given herself here providence. Please, Tom, please, And again she buried her head agains his coat.

his coat,
and as was his wont, the
young doctor failed to answer
gle word but just held her clocomforted. And how long he
have held her, there is no w
know, because the strain had be
great on Mother Mayberry and
few minutes she stood calmi;
door and looked at the pair
of ren with happy but charled ye
"It's just as well warried."

ren with happy but quizzical eyes
"It's just as well you got Tom My
berry straightened out quick. Elia
tone." "I've been getting made
and madder as I put Martin Luther,
bed, and though I ain't never had,
whip him yet, I'd just about made g
my mind to ask him out in the bu
and dress him down for onct. No
and oress him down for onct. No
are you well over your tantrup, as' and dress him down for onct. Not are you well over your tantrum, sirl she demanded as she eyed the shamed faced young Doctor delightedly. "Mother!" he exclaimed as he to

ed his head away and the color under his tan.

"Have you done made up your min to travel from town to town with Eli-ory and take in the tickets at the do-and make yourself useful to her th and make yourself useful to ner us rest of your life? Are you a-going a follow her peaceable all over Ea-ope, Asia and Africa?" And her en fairly over-danced themselves with &

light.
"Mother!" and this time the electric time the electric time from Miss Wingate "Mother!" and this time the calumation came from Miss Wingas as she came over to rest her cheel against Mother Mayberry's arm. Se also blushed, but her eyes danced with an echo of the young Dotory mother's laugh as she beheld his enharrasyment. barrassment.

bounts a rough as see beauto in a see bourtes may be barrassment when the bourtes are seen as the see and the bourtes are seen as the see as th

it?"

'II do feel that way, Mother, and!
don't see how I can let her make the
sacrifice. Her future is so brillian
and L—I—"
"Son," said Mother Mayberry with
the hanter all cone from her rich with

"Son," said Mother Mayberry win the banter all gone from her rich voice and the love fairly radiating from he face as she laid a tender hand on the singer lady's dark head on her should-er, "I don't have to ask my honey-hin the choice she have made. A women er, "I don't have to ask my honey-hint the choice she have made. A woma don't want to wear her life-work like no jewelry harness nor yet no saci-ficial garment, but she loves to cloth herself in it like it were a soft-colored herself in dess to cover the nillow d herself in it like it were a soft-door door homespun dress to cover the pillower homespun dress to cover the pillower her breast and the cradle of her breast and the trief folks against. Take her to India's coral strand if you must, for it's gave a wrife to follow the husband-star. Long ago I word you to the Master's high call and not you to the Master's high call and not have written and the strength of the st

THE END ...

Some Fly Don'ts

Don't permit them near your fool, specially milk.

Don't buy foodstuff where flies an

Don't buy to tolerated.
Don't have feeding places when flies can food themselves with dejections from typhoid or dysemtions from typhoid or dysemtions.

Don't let flies crawl over the baby mouth and swarm upon the nipple of its nursing bottle.

****** The I ******

July 6, 1

Our God is a S hip Him mu nd in truth.
God is the e is willing ur minds an ut open our l God creates ource of all ull of power nd dwell with ey prove the day are the ba and of the evil

iven power t termine the si Neither Goo ent us from o in this neve limself has m ur minds are

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ir tantrum eyed the shan imed as he tun d the color ros d as he turn town with Eli kets at the don you a-going And her nselves with de Miss Wingate rest her cheek rry's arm. r eyes dance young Doctor's beheld his en-Doctor, rallying dy to go with Mother, as reto go with about that," with a laugh: e growed up to ut I'm might your dose o

m, and I reck how happy ! It was kinder

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Mother, and I her make the

Mayberry with

her rich voice

r hand on the on her should-my honey-hird le. A woman life-work like

yet no sacrioves to clothe

a soft-colored the pillow of e of her arms gainst. Take trand if you rife to follow ago I vowed call and now

edicates m have wad hard a Road hey come

out in th

ayberry od calm the pair uizzical

The Upward Look ***************

Our Constant Fight No. 15

God is a Spirit, and they that wor-God is a Spirit, and they that wor-ship Him must worship Him in spirit land in truth.—St. John. 4:24. God is the Infainte Spirit of Love. He is willing at all times to flow into our minds and to fill us with a con-sciousness of His presence, if we will be open our hearts to Him, and invite like to enter.

find to enter.

God creates all things. He is the ource of all power, all love, all wisdom. If we desire our lives to be all of power and love and wisdom we all of power and tove and wisdom we aust invite the Spirit of God to come and dwell within us. When other spirits, those of fear, pride, jealousy, covusness, hatted, exist in our hearts be prove the presence there not of God but of Satan. Our hearts every was the authentic ground of the good of

sin the path of destruction lies straight sin the path of destruction lies straight before us. Should we desire to do what is right God will help us, it we will but ask Him, and Satan himself cannot prevent us from climbing the path which leads ever upward towards all that is best in life and in eternity. God is greater than Satan, and will prevail if we will but trust in His power to give us the victory, and ask Him, earnestly and constantly, to help us. help us.

"Sin is a ceaseless, undying power
"in our lives," writes Henry Drummond. "A ceaseless, undying power
"must come against it. There is only
"one such power in the universe—only one which has a chance against sin: the power of the living Christ.

"the power of the living Christ.

"What most of us feel we really "want religion to do for us, though it want religion to do for us, though it was the company of the compa "What most of us feel we really within us. When other spir of God to come and used within us. When other spir on the deepest experience, is to the deep state of the made to describe more fully how m

"fort of his own, without even think, "ing about it, it will necessarily come "to the front, and mother his life go "wrong. Now, wherever it is, it is comes "from, or whatever it is, it is comes "from, or whatever it is, it is a darm clock? I knew a farmer's "fact, and the first practical question "in religion that rises to many a mind "is this, "What must I do to be saved "from this inevitable and universal "and terrible fact of sin?""

When once our eyes open fully and we realize that this "terrible some thing," is the power of Satan as he strives, hour by hour, to draw us down to destruction, we are coming within to destruction, we are coming within to go the strives, hour by hour, to draw us down to destruction, we are coming within to we have a complex to the back kitchen all the back kitchen and the same and thinks what hour it's to be set for now the stat and thinks what hour it's to be set for now the sets, and thinks what hour it's to be sets for now the sets, and thinks what hour it's to be sets, and thinks what hour it's to be sets for now the sets, and thinks what hour it's to be sets, and thinks what hour it's to be set for now the sets, and thinks what hour it's to be sets, and



Why don't some flours behave? Why don't they keep good?

Because they contain too much of the branny particles, too much of the inferior portions of the wheat - may be little pieces of the oily germ.

Which act on one another-that's why some flours "work" in the sack. FIVE ROSES is the purest extract of

Manitoba spring wheat berries. Free from branny particles and such like.

Twill keep sound, and sweet longer than

Keep it in a dry place, and when needed you find it even healthier, sounder, fresher, drier than the day you bought it. Buy lots of FIVE ROSES. It keeps.

Not Bleached



LAKE OF THE WOODS BILLING COMPANY, LIMITED MONTREAL

Not Blended

n'ts

with dejec

or the baby

Baby's Own Soap

garde son parfum délicat jusqu'au dernier petit morceau. I' est si bien fait qu'il s'use à la finesse d'une feuille de papier.

Albert Soaps Ltd., Montreal. Méfiez-vous des contrefa,ons et suos

Quality Butter That's the kind you make with Maxwell's 'Favorite'' Churn .-Hand & Foot 1 Levers with Roller earings

MAXWELL & SONS

For Better Farm Life

For Better Farm Life

"The real rural life problem will
not be solved till we establish and
build up better schools, churches, and
rural organizations. They must all
specific properties to the set that
the set of the real rural
these words C. F. Curtius soundded the keynote of all the discussions
at the country life conferences held
at Ames, lowa, June 22-24. Some of
the facts brought to light at the conference show in a truly deplorable
light conditions in some of the rural
sections of the United States and
should afford food for thought for all
interested in the rural problem
whether in Canada or the United
States. Rev. C. S. Adams of Illinois.

12 constants of the results of his investigations
of 42 control or the control of n 42 country communities in Central

In the rich districts where land In the rien districts where land sold for \$190 to \$250 an acre he found that 55 per cent. of the land was farmed by tenants, only 66 per cent, of whom held leases for periods of five years or more. Country life was not attractive in most of the neighbor-hoods. The social, educational, and noods. The social, educational, and religious sides of country life were worse than the material conditions when compared to the same factors in the towns. He found that the averin the towns. He round that the average school year for the country boy and girl was 98 days against 146 days for the town child. The country teacher received \$35 to \$70 a month against er received \$35 to \$70 a month against \$46 to \$150 for the town teacher. Country schools were for the most part poorly equipped and the teachers inefficient though usually conscientious and hard working.

OUNTRY CHURCHES LOSING GROUN Of the 225 country churches of all denominations visited by Mr. Adams, only 77 have grown any in the past 10 years, 55 have stood still, 56 have lost and 47 have been abandoned completely. If the average for the other pletely. If the averages for the state are in the same proportions as for the districts visited, 1600 country churches If the averages for the state oportions as for the districts visited, 1000 country characters have died in Illinois in the last I(years and 1000 more are ready to die He found 397 people to each church, while the churches averaged 125 mem while the churches averaged to be seach. Thirty-one per cent. of the rural population were church members, 19 per cent. went to church and 13 per cent. to sunday school. The 13 per cent. to sunday school. The richest and best improved communities were the lowest in church at-tendance. The two richest communicent. of their people to church.

Mr. Adams emphasized the importance of the country church to the church and nation at large. Half the church and nation at large. Half the people of the nation are country people. It is no small or unimportant matter to minister to 50-000,000 people. From the country come the leadple. From the country come the lead-ers. Eighty-five per cent. of the prominent men in America come from the farms; 30 per cent. of the minis-ters have in the past come from the farms. The death of the country church means a change for the worse in the nation's leadership, and it has already barra fruit in a searcity of in the nation's leadership, and it has already borne fruit in a scarcity of ministers which will probably be felt more and more, His final call was for a church that would minister, not one

"to be ministered upto."
Other speakers brought similar conditions to light. The organization of distions to light. The organization of farmers into clubs similar to the Grange was cited as a method of regenerating country life. The making of the churches a centre for the social of the churches a centre for the social under the community is being tried with success in many country districts. to be ministered unto.

... Useful Knowledge

Better have the oven a little too ool than too hot.

Always open and close the oven door Always open and close the oven uous as carefully as possible; the jars are the cause of many mixtures falling.

A wooden spoon with long perforations is the best for creaming butter, it does not be the cause of th

ations is the best for creaming butter, and it will cream more easily if done before the sugar is added. For any but the very finest cake it is just as well and much quicker to warm the butter well before cream-ing. It may even be melted.

THE COOK'S CORNER

Recipes for publication are requested.
Inquiries regarding cooking, recipes, to the Household Entire, Farm and Dalry. Keessassassassassassassassas

Two eggs, two cups sour milk, one teaspoon sugar, four tablespoons of butter, flour to thicken, fry in pans, with lard.

GRILLED ALMONDS

Blanch a cupful of almonds and dry
them thoroughly. Boil a cup of sugar
in the same amount of water until it
strings. Throw in the almonds and
let them simmer, stirring occasionally,
until they turn a yellow brown. Remove them from the fire immediately.

Press the contents of a can of lima beans through a colander and season with salt beam through a colander and season with salt, pepper and a little melted latter. Then add one egg well beaten then add one gg well beaten the man and the same and the same and the same all the form of a loaf. If it seems a little form of a loaf, If it seems a little or the same as the present of the same and the present of the same and the s

Chop fine two hard-boiled eggs, and put about two-thirds of a cup of cold boiled ham through the meat grinder. Take two-thirds of a cup of finely-sifted breadcrumbs and mix them well with a tablesponful of metted butter, so they are evenly coated. Sprinkle so they are evenly coated. Sprinkle with a tablesponful of melted butter, so they are evenly coated. Sprinkle the bottom of a buttered baking dish with some of the crumbs, cover with half the eges. Over these pour a good half-cup of white sauce and over this sprinkle half the ham; then repeat, and cover the top layer with the remaining crumbs. Bake till the crumbs are been.

The Sewing Room

The Sewing Room

Patterns 10 cents each. Order by
sumber and size. If for children
star for saidable, give bust me,
star for skirts, Address all orders to the
Pattern Department.



CHILD'S ONE-PIECE DRESS, 705 Dresses made in are sure to busy
This one if in a way to

> seams that tended int sleeves. It is just to the yoke and closing is made the back.
>
> For a child of years of age working to a child of years of age working a child of years of age working a child of years of age with the child of the property of the years of age with the years of a child of the years of the year

The dry

yards 36 or 44 inche of insertion

YOKE BLOUSE, 7061



The yoke blouse always an attractic and becoming on for it allows effe tive use of coing materials. that are the armhole For a wom

medium size v required 2 1-4 of material 27 3-4 yards 36 inches wide, w yard 27 inches for yoke and 7-8 yard inches wide for the under sleeves.
in sizes 34, 36, 38 as

SIX-GORED SKIRT, 7072

and front is a edingly This model can treated in that w or can be left pl while again thand can be m with a diagon front edge or w diagoni straight of For the m size will be re 6 1-2 yards of terial 27, 4 34

terial 27, 4 3-4 yars 56 or 44 inche wife for the skirt with the band; 5 yards 2, 3 3-4 yards 30 or 44 inches wide for the skirt without the band. The width of the skirt at the lower edge is 2 1-4 yards.

This pattern is cut in sizes 22, 24, 25, 30 and 32.

front are among newest and sirable offe Scalloped e are greatly in and the gown with the front

and upper e skirt scallope button hole bound, would charming effe For a wom medium size v required 7 34 yards 36 or yards 44 inches with 3-4 yard 27 for with at the state of the wide of the wide

of the skirt at the lower edge is 2 M yards.
This pattern, Na 7052, is cut in size for a 34, 36, 38 4 and 42 inch bas

SEMI-PRINCESSE GOWN, 7052
WITH SQUARE OR ROUND COLLAR.
Semi-princessy



nececade OUR F ******* PRINCE

July 6,

K CARDIGAN had showers thay and grawell. Hay wi will be a gre most of farm Prospects for fair. Early fair. Early
Many farmers
grub called their wheat.
field complete
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season. Nearl
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at 88 to 89; o
to 60e a bush
and, bringin

BRITTANNIA eavy shower everything, never looked well. Corn is bould. Heavy well. Corn is should Heavy on it Many a is selling at 8: potatoes, 81 is 86.25 for heav tables are a go NORTHUN

CASPLETON, ing well. Mos ing. A few h

ing. A few h Cows are milking high. Hogg prices are expusives are expusives are expusive have helped he a very light unusually good crop are not some varieties earrely any 8 scarcely any S good as it has tion of the old looking well.—I HAST

fine. The usu and clover has but more than a very hot Ma below the ave June 1 and thas improved a cheese made wi last year.—W. 5 WATE WATERLOO, dry weather in most of the cr most two wes Sugar beets, ms ing fine. It is ing fine. It is turnips to com turnips to com are looking fine, are out in head and was some killed in patch order of the da so that the ha heavy, consistin sike stood the

clover. Some a BRA FALKLAND, J swing. A few most of it is th most of it is the appoor crop, muter killed. Re Timothy is this fall grains need good just now Many fields are will be short. Fall wheat lool Corn and root The cutworms of many fields. H 87.10 being offe 55.75, and wheat

OXF GOLSPIE, Jun-weather. Rain to Drought is com-grain, especially is all in the bas-ing the clover hi will crowd hayir



g Room

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E DRESS, 7051 Dresses ade in

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For a child of few are of age w/c luired 3 varies a sterial 27, 2 stride, with 4 yars

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OUR FARMERS' CLUB Correspondence Invited

**************** PRINCE EDWARD ISLAND.

PRINCE EDWARD ISLAND.

RING'S CO. P.E.I.

CAEDIGAN BRIDGE, June 21—We have have had and grain. Grain as grad help to had and grain. Grain and grai

ONTARIO

ONTARIO

CARLETON CO., ONT.
BRITTANNIA BAY, June 21.—The recent
heavy showers of rain have freehend
everything. The grain and hay crops
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everything. The grain and hay crops
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NORTHUMBERLAND CO., ONT.

NORTHUMBERLAND CO., ONT.

CASILETON, June 25.—Crops are looking well. Most farmers are done planting. A few have sown their buckwheat.
Cows are milking well and cheese is selling high. Hogs are in great demand, and
prices are expected to go up.—H.P.M.

And the property of the pro

HASTINGS CO., ONT.

SINE, June 27—The crops are looking fise. The usual acreage of corn, grass and clever, his been seeded this spring, and clever his been seeded this spring, a very hot May the cut of hay will be below the average. After the rain or June 1 and the showers since, pasture has improved and the milk produced and chees made will compare favorably with last year—W, T, Sine.

WATERLOO CO., ONT.

WATERLOO CO., ONT.

WATERLOO, June 22.—The very warm, dry weather in May has forced along weather in May has forced along the crops, so that they are allowed the crops, so that they are allowed the crops, so that they are allowed the control of t

BRANT CO., ONT.

BRANT CO., ONT.

FAIKLAND, June 23.—Insying is in full swing. A few odd fields are good; the most off it is thin and short. Affalfa is a poor crop, many fields were badly winter killed. Red clover also suffered to the state of the state of

OXFORD CO., ONT.

OXFORD CO., ONT.

GOLSPIE. June 21—We have very dry weather. Rain threatens, but passes over-prompts is commencing to tell on the prompts is commencing to tell on the sail in the barn, and we are commencing the clover harvest, which is a regular cop, lust short. The fall wheat harvest will crowd haying. Barley is headed out, of the prompts of the pr

count of the pea weevil. Cows are going down some in their milk, as the pasture is getting dry. Some farmers think it early to start feeding, but it will pay. It is easy to let the cows down in their milk, but not so easy to get them up again.—A.M.McD.

MIDDLESEX CO., ONT

MIDDLESEX CO., ONT
WHITE OAK, June 27.—Some very good
fields of wheat are seen. The land heing
gravelly, the wheat did not winter kill
to any extent. Many of the farmers are
remodelling their barns or building new
ones. The cheese factory is doing a good
busiless, and some fine herds of cows are
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LAMBTON CO., ONT.

LAMBTON Co., ONT.
THEDPOIDS June 27—Bosamuet township. Lambton Co., particularly the portion near Lake Huron, has a soil and climate well adapted to fruit growing, as apples, plums, cherries, berries, and peaches. The people are so convinced that there is a good thing in peaches that there is a good thing in peaches that there are would look tree this agring, and more free with the people of the people of

E. S. Hopkins, B.S.A., Norwood, Ont.

The recently appointed Peterboro County District Representative of the Ontario Department of Agriculture, who will suc-ceed Mr. Duff. Mr. Duff has received an appointment at Markdale, Grey Co., Ont.

has a good chance to succeed. Corn and oats are our most valuable farm crops, with corn on the increase. This is some-what due to the profitableness of silos. Every summer new ones are erected. Alfalfa grows in favor; much more would Alfalia grows in favor; much more would have been sown had the price of the seed not ranged so high. The new meadows are doing well: the old meadows suffered severely. The hay generally is short, though, it is thought, it will not be far below an average crop. Fall wheat, too, is an average crop. Fall wheat, too, is an average crop. There are some splendid pieces, while others are decided-by poor.—N. J. Kearney.

NIPPISSING DIST., ONT.

WAH-TAY-BEG, June 27.—The last few weeks have been the driest known in this weeks have been the driest known in this northern country, but crops are doing well. There have been one or two hard frosts, and those who have not large clearings to the north are botting their name on the colonization road on the town line between Carr and Taylor, has nearly finished his job for this year. Mr. Hewitt, foreman on ship, has opened up about three miles ship, has opened up about three miles of road, which makes a vast improvement to the country. Before this fall we hope Mr. Hewitt will have seven miles of road fit for driving on both summer and winter.—P.G.M.

GOSSIP

The Grand Trunk Railway System is the popular route to Muskoka Lakes. Lake of Bays, Temagami. Algoquid Park, Maganetawan River, French River. Georgian Bay, Lake Couchching, Kawartha Lakes, etc. Full particulars and tickets from any Grand Trunk Agent, or address A. E. Duff, D.P.A., Union Station, Toronto, Canada.

A CHAMPION JERSEY

A CHAMPION JERSEY A Red Deer, Alta. Jersey cow holds the championship of Canada. Rosalind of Old Basing raised and owned by C. A. Julian-Sharman of Red Deer completed on May 23, 1911 a second consecutive year's official

25, U.1 & second consecutive years official to the previous of the previous of

TORONTO FAT STOCK SHOW
The premium list for the Second Annual
Toronto Fat Stock show to be held at the
las been received. The show held last
las been received. The show held last
locember has induced the management to
entarge the classification and premium
The show aims to bring stockmen, feeders and shippers more closely in touch

The show aims to bring stockmen, read-ers and shippers more closely in touch with a central market, where actual val-ues of the different grades of live stock can be checked by actual sales. Visitors to the show have the added advantage of the show have the added advantage of the show have the added advantage of the show have the show the property of the show ket in active operation.

ket in active operation.

The judging will be done by practical men who know market grades and values. This work will prove of great educational value to the live stock interests of the provines. Most of the live stock entered to the provines and the stock interests of the provines. Most of the live stock entered have a chance to compare the judges' awards on different animals with their actual value to the packer and butcher, actual value to the packer and butcher actual value to the packer and butcher in regard to stock show matters address J. H. Asheratt, Jr., General Manager, Union Stock Yards, Toronto, Ont.

WESTERN FAIR, LONDON, ONT. Prize lists, entry forms, and advertis-ng matter of different kinds in connec-ion with the Western Fair of London, tion with the Western Fair of London. Ontario, have been sent out by the management. One thousand dollars in each has been added to the prizes this year. Breeders and stockmen should make calculations to include this popular exhibition in their circuit this year. Exhibitors large sales of their stock as a result of attending. It is fully expected that this year will eclipse them all, and therefore all who have worthy stock of any kind cannot afford to miss it. The dates this year are Sept. Sh to 16th. If you have the control of the stock of o

PLEASURE AND COMFORT

are derived from the

Stratford Lawn Swing

For the children in the summer there is nothing will give them more pleasure than a lawn swing. For adults, a swing on the lawn provides a means of comfort and rest



This swing is made of well seasoned hard wood lumber, nicely finished. It is made strong and durable, will stand great strain, is built for four passen, cave. The back can be adjusted and the foot rest raised so as to form a hammock or bed. Made in various styles at different prices.

Write to-day for illustrated cata-

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We also make all kinds of Ladders and Verandah and Lawn Furniture.

LAND PLASTER Car Lots or Any Quantity

> TORONTO SALT WORKS G. J. CLIFF, Manager.

CAPABLE **OLD COUNTRY** DOMESTICS

carefully selected, arriving every Monday. Apply now, The Guild, 71 Drummond St., Montreal, or 14 Grenville St., Toronto.



The St. Lawrence Sugar Refining Co. Limited MONTREAL,

Wheat is down one cent from last week. Favorable weather reports caused a serious break in the early part of the week, but since then the market has grown steadily stronger. No. 1 Northers i-quoted at \$1.00\cdots\$, No. 2.7\cdots\$, No. 3, 95\cdots\$. Domestic millers show little inter ext in Ontario wheat, but quotations extended to the control of the stronger than last week at \$60.00 to the Farmers' of the property of the control of the property of the control of the stronger than last week at \$60.00 to the Farmers' of the stronger than last week at \$60.00 to the Farmers' of the stronger than last week at \$60.00 to the Farmers' of the stronger than last week at \$60.00 to the Farmers' of the stronger than last week at \$60.00 to the stronger than last week at \$60.00 to the stronger than \$60.00 to the stron Market fall wheat is quoted at 82c to 83c, and goose, 80c to 81c.

COARSE GRAINS

Coarse grains show a general decline with the market dull. Oats and corn are much weaker. Quotations are as follow:
Oats, Canada Western No. 2, 40½; No. 3, 40½; Ontario No. 2, 57½; to 38c outside, 49/cc. Ontario No. 2, 37/c to 38c outside, 49/cc. Ontario No. 2, 37/c to 38c outside, 49/cc to 41c ou track here; corn. 59/cc. peas, 78c to 58c; tyek, 78c to 72c; barley, malling, 66c to 65c, feed, 55c to 56c; buck, wheat, 51c. On the Farmers' Market oats are quoted at 48c; barley, 66c; buck, wheat, 54c; and rye, 71c. A short export demand caused a deeline in oats as Montreal, 67c; and 87c and 8

FRUIT AND VEGETABLES

There are abundant supplies of fruit on the market and prices in some instances are lower. Strawberries are quoted at 8c to 10c; raspberries, 15c to 18c; cherries, 15 tq. bkts., 50c to 25c; cauliflower, dos., 81.9; cabbages, cratt, 83.9; head lettuce, dos., 83.9;

EGGS AND POULTRY

Quotations on the local egg market are unchanged. Dealers are offering 18c to 19c a dox. in case lots. On the Farmers' Market eggs are quoted at 25c to 25c. Montreal dealers are parjug 13c west of Toronto and 14c east of Toronto for case alipnents of eggs. On the market 175/gc to 18c is the ruling price. Shrink-age is heavy.

age is heavy.

There is little interest in dressed poul try. Most of it is cold storage stock. Chickens are quoted at 16c to 18c; fowl, 16c to 16c; itwe weight, 2c to 3c lesse. On the Farmers' Market chickens are quoted at 18c to 29c; spring chickens, 39c to 35c; and fowl, 14c to 15c.

POTATOES AND BEANS

Potatoes have taken another long upward jump, due to lack of supplies, and are now quoted at \$1.75 a bag for Ontarios out of store, and \$1.40 to \$1.50 a bag in car lots.

Montreal potatoes are scarce, prices have again advanced to \$1.40 a bag for Green Mountains.

Beans here are quoted at \$1.85 for primes and \$2 a bush for hand picked.

DO YOU WANT A BULL TO HEAD YOUR HERD

whose ancestors are large producers, whose brothers are proves stress of large producers and dairy test winners, whose dam, sire's dam and grandam have all been win new in provincial dairy test, Buy sholes young sire, born June 15th, 1910.

Buy sholes young sire, born June 15th, 1910.

Calff adam, Lady Wayns Norice; butler 7 days, 22 by, dam of Brookbank Butter Baron, sire of Calamity Starlight Butter Giri; butter 7 days, 22 by, dam of Brookbank Butter Baron, sire of Calamity Starlight Butter Giri; butter 7 days, 22 by, dam of Brookbank Butter Barones, butter 7 days 22 by, and Captelling 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911, 1911,

WM. A. RIFE, Hespeler, Ont.

light receipts account for the strength of the market. Prices continued steady at the advance right through to the close to the seek. A few choice bullocks on the price of the seek. A few choice bullocks on the price for the bull for 86.35, but the price for the bull for 86.35, but the first continued to the foreing was grass fed. The market is fin an unsteady condition and anything the first continued to the

MONTREAL HOG MARKET

Montreal, Saturday, July 1.—The trade aere this week was practically feature here this week was practically feature-less, the offering a being about the same as the total offered for sale a week ago, and the demand was steady and took care of everything offered at prices un-changed from those paid a week ago, Selected lots of live hops weighed off cars were soid at \$7 a cwt, most of the lines being picked up at that price. There has been a steady trade has been a steady trade in dressed hogs, and prices have been well maintained at \$10.25 to \$10.50 for fresh killed abba-

EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHIESE.

Montreal, Saturday, July 1.—The marlet for cheese opened this seeks with
prices fairly steady, but a teck with
during the latter part of the previous
week was inclined to be slow, there was
a slight downward tendency to the market generally. In the country at the
signing of the week prices ruled at
11%c and 11.3-16c, but towards the middle
of the week the market sagged back, and

MARKET REVIEW AND FORECAST

Toronto, Monday, June 3.—As far as can be assertianed farm crops this year will have well as a service of the harvest, and in some sections haying in the harvesting and moving of the crop. Large old choses are getting ready for the harvest, and in some sections haying in the harvesting and moving of the crop. Live STOCK

The interior is the search of the harvest, and in some sections haying in the cast, when it is most needed. Farmers are getting ready for the harvest, and in some sections haying is in a normal condition. This, however, is a normal condition. This, however, is a normal condition. This however, is a normal condition. The well of the conditions of the crop that th

CHEESE MARKETS

Canton, N.Y., June 26.—2,200 boxes of cheese sold at 11½c, and 1,600 tubs but-ter at 23½c. Campbelliord, June 27.—1,125 cheese boarded; 815 sold at 11½c and the balance

at 11:146c.
Stirling, June 29.—1,385 white, 3,390
colored offered; 465 white, 1,160 colored
sold at 11c.
Kingston, June 29.—475 boxes of white
and 103 of colored boarded. Sales were

and 30 of colored boarded. Sales were made at 16.

made a

to 19.54c
Ottawa, June 30.—917 boxes cheese, white,
at 11c and 11½c; colored, 11½c;
Aspance, June 30.—2139 boxes at 11.54c.
Picton, June 30.—2139 boxes at 11½c.
Otto, June 30.—2139 boxes at 11½c.
Cowansville, Que, June 30.—2239 packages of butter and 72 boxes of cheese.
Butter sold at 21½c. Cheese sold at
19%c.

0% Cornwall, June 30.—1,858 cheese. White old at 11%; colored at 11 3-16c. Kemptville, June 30.—1,033 cheese sold

St. Hyacinthe, Que., July 1.—1,000 pack-ages of butter 21c; 650 boxes of cheese ages of at 10%c.

HUNTER'S SALE OF AYRSHIRES

MUSTRE'S SALE OF AYRSHIRES.
The dispersion sale of Ayrshire cattle held at Maxville, Ont, Wedneday, June 28, by Robert Hunter & Sons, the noted breeders and importers, proved to be the greatest public asle of Ayrshires ever held not only in Canada but in the world. It can be supported to the continuous of the continuous continuo

been between before have such prices been and a seven before have such prices of all present in Canada for dairy cattle of any breed in Canada for dairy cattle of any breed in Canada for some time. They are likely to stand for some time. They are likely to stand for some time. Some properties of the system of

on the Pacific Coast, authorising him a buy cows and heifers up to a limit at \$8500. Included among the buyers fra \$8500. Included among the buyers fra \$8500. Included among the buyers from \$8500. Included among the buyers of whore side were a party of laides, each of whore side were a party of the side o

FURTHER PARTICULARS
The sale was held under a large
on the home farm. In the centre of
tent was a sawdust ring of just sufsize to make it possible for the sto
be shown and seen to advantage. A be shown and seen to advantage. At this ring was a wooden railing. At it again was a row of board seats, the top of the railing was a row of board securely fastened, on which the who occupied the seats could mark who occupied the seats could mark and the seats of challenges of these catalogues in comfort. Back of these

who occupied the seats could mark catalogues in comfort. Back of these again were tiers of plank seats. we enabled all present to follow the proings without inconvenience.

The auctioneer, secretary and mem of the press occupied positions on a of the press occupied positions on a ed platform at one end of the ring. of the press to end of the ring, ed platform at one end of the ring, not even the auctioneer was in the and yet he could see every person in the tent. Children were excluded. Ta was discouraged by the auctioner, among his assistants. Thus every pe could hear everything that went on. ing it unnecessary to have assist the ring to catch bids. This was tinct improvement over most sales A FIND

The auctioneer, Andrew Philps, Huntingdon, Que., proved a find cluding some five or ten minutes taken by one or two short addresses at the case, the sale lasted just three hours started at 12.30 noon and was over at In that time 117 animals were sold or animal in about every minute and a This includes the time required to rnis includes the time required to less the animals in and out. Considering the high prices at which the stock sold the is a remarkable record. Mr. Philps was daying in

Mr. Philips was daring in his method, but they proved successful. On a coup of occasions he sold animals on the field of the country of the sold animals on the field. The bargains thus given pleased the crowd and helped to make the bidding control of the country of the control of the country of the countr

WELL DESERVED TRIBUTS At the beginning of the sale, Mr. Stephen, the secretary of the A Breeders' Association, said a few w Stephen, the secretary of the Ayralin Breeders' Association, said a few words in lever of Ayrahine cattle as a breed. In lever of Ayrahine cattle as a breed. In lever of Ayrahine cattle as a breed in lever of the lever of the

passed the tuberculin test before une marginal test before une marginal test before une marginal test before une marginal test before the test PRINCIPAL BUYERS.

WALLACE B. CR Canadian ord All correspondence s state in inquiry if yo

July 6, 1

CRUM STA

AYI Young Bulls al James Begg,

AYF

Ay World's Char production. Scalves, all from grandson of I the lot. Addr WOODDISSE ROT

THE SPRINGBA Contain more V America. A fe record breaking able prices. A 3 miles south

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FOR SALE—On choice built c and heifers, a producers. R specialty. Als Wyandotte fo strain. Satisfa or come and WILLIAM. THE WILLIAM TH Trout Long Distance BURNSI

12 Bulls fit for a 2 year old heifers, and Oct. They at heifers with good R. R. NESS.

AYRSHIRES HIGH-CLAS

Ayrshire calv Yorkshire pigs Both sire and HON. W. OWEN PROPRI Riverside

MISCE

TAMWORTH AN Boars and So Corinth. Ont. FOR SALE-KN SHIRES, 3 Bos in farrow, and either sex.—C. Ont.

FOF Netherland Be bred Holstein by His dam. Nether in March, on off milk and 22.55 Average test, 4. milk and 22.55
Average test, 4
consecutive days
per cent. fat.
with the record
Ottawa Dairy 8h
Butter Boy, 665
Gano No. 1930, g
12 months 17,619
butter, at 12 y
sire's dam, Fafo
milk and 26 lbs.
calf is beautiful
condition, and
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W. H. CHERI

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H. A. Moyer, Syracuse, N. Y., says 'they SAVE COST in freed in one wrister.' Bend address for special freed in the second of inexpensive freed of the second of inexpensive freed in the second

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Netherland Beauty's Butter Boy, nure bred Holstein bull, horn March 4th, 1211. His dam. Netherland Beauty De Kol, 6667, in March, on official test, gave 622. 48 lbs. milk and 2.55 lbs. butter in 7 days. milk and 2.55 lbs. butter in 7 days. green fat. This compares favorably with the record of the winner at the property of the state of the st

W. H. CHERRY, GARNET, ONT.

THE	SALES.	
A-i AGED	COWS.	
Animal.	Buyer.	Price.
Beuchan Sunflower 2nd		
Howie's Stately Queen.	D D Want	. 300.00
Shewalton Main's Swell.	D. P. Ness	. 400.00
Castlemain's Didder Ond	P. Lyan	. 750.00
Castlemain's Biddy 2nd	R. R. Ness	. 550.00
Castlemain Pansy	P. W. Vanderhoof	300.00
Castlemain's Minnie 2nd	J. B. Wilbur	325.00
Porothy	P. W. Vanderhoof	450.00
Showflake	R R. Ness.	300.00
Stockerton Primrose 3rd	Hector Gordon	EE0.00
Ha perland Nell	P Ryan	650.00
Halperland Nell Lessnessock Hopeful Rosie.	Cilbert M-Mill-	650.00
Lessnessock Pansy 2nd	Hector Gordon	425.00
Lessnessock Stately 11th	D W Wordon	625.00
Anchophysis White D	P. W. Vanderhoof	350.00
Auchenbrain Bloomer Sth	T. R. Jenkinson.	275.00
Auchenbrain White Legs 4th	A. F. Spooner	150.00
Auchenbrain Buntie 16th.	P. Ryan	200.00
Auchenbrain Buntie 16th. Ardyne Carntyne 4th.	P W Vandarhoof	200.00
Netherhall Lade Toon	W IDUT	300.00
Netherhall Lady Jean. Lessnessock Susie	W. T. Rodden	300.00
Legenessock Busie	T. R. Jenkinson	200.00
Garclaugh Madge	F. N. Freeman	225.00
Kilnford Ball Ind	E. J. Darragh Pendleton, Ont.	325.00
Kilnford Bell 3rd	Adam Seitz, Wankestra, Wis	475.00
Torrs Cony 3rd	Jas. Benning	300.00
Tackiawhili Nancy 3rd	P. W. Vanderhoof	300.00
Lessnessock Madeline	T. R. Jenkinson	450.00
Lessnessock Madeline Lessnessock Tibbie 2nd Auchenbenzie Nectorine Auchafour Nellie 5th	F. N. Freeman	200 00
Auchenbenzie Nectorine	W T Podden	475 00
Auchafour Nellie 5th	Haston Condan	475.00
Toward Point Sweet Brian 2nd	w. T. Rodden	325.00
Toward Point Alice 2nd	r. Spiekerman	425.00
Toward Point Sweet Briar 2nd	P. Ryan	350.00
Springhill Whindamer 2nd	J. H. Black. Lachute. Que	400.00
Lagarage William Total	Geo Pike, Gouverneur, N.Y	100.00
Control of Miss Dickie	W. T. Rodden	250 00
Lessnessock Miss Dirkie. Springhill Strawberry 45 animals Total \$18.375 April 2600	W. T. Rodden	525 00
45 animals. Total, \$18,375. Aver., \$429.		020.00
WING WILL OF		

TWO-YEAR-OLD HEIFERS	
	500.0 275.0 625.0 625.0 325.0 225.0 225.0 300.0 275.0 325.0 2250.0 375.0 375.0 475.0 600.0 650.0
YEARUNG HEIFERS	

YEARLING HEIFERS	
Stringhill Christin	110 100 150 150 150 150 150 150 150 150
Losspessock Dunmand Lab	
Learnessock Durward Lely. J. B. Wilbur Bargenock Victor Hurco. A. H. Sagendorph No. of animals. 2. Total. 83,159. Aver., 81,575.	85

Toward Point Superior. F. Spiekerman
Toward Point Superior F. Spickerman
Auchenbrain Pride Spickerman \$325.00 Springhill Prince W. T. Rodden 400.00 No. of animals, 3. Total, \$840. Aver., \$250. Aver., \$250.
BULL CALVES.
Netherhal Richt Forward R. W. Smith. Clabrassic. Ont. 8155.00

	or marin, av. aveni, 9020. Aver., 804.	
	Springhill Doubles HEIFER CALVES	
	Suringhill Prudence J. B. Wilbur	.0
	Garclaugh Mistletoe 2nd. R. B. Nees 250 Auchenbrain Buntie 22nd Mrs. Erhardt 700 Auchenbrain Dowless of the Transfer 700	1.0
	Chapelhill Lucifer A. F. Spooner 325	.0
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ı	Springhill Cherry Hugo Re R. Ness 425 Springhill Reanty Hugo Mrs. Erhardt 350 Springhill Whiteless Hugo Mrs. Erhardt 350	.0
ľ	Springhill Whinflower Hugo. Mrs. Erhardt 350 Springhill Ougen Hugo. Mrs. Erhardt 325	0.1
ŀ		
		.0
	No. of animals, 18. Total, \$5,190. Aver., \$288.	.0

HOLSTEINS

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A few choice Bull Calves for sale; six to ten months old. Sons of Homestead Girl De Kel Sarcastic Lad, and grandsons of Pietje 22nd. Recently tuberculin tested by a 11, 8. Inspector. Write for pedigrees and prices.

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FAIRVIEW FARMS HERD

-HAS FOR SALE-

Sons of Pontiac Korndyke, sire of the (world's record) cow Pontiac (Inthibia De Kol Ind. 37.20 lbs. butter in 7 days. He is record's erend one Worlds and the College of the Kol Ind. 37.20 lbs. butter in 7 days. He is record's erenge 3.13 lbs. each, unequalled by the daughters of any other sire of the breed, living or dead. He is the sire of the breed, living or dead. He is the sire of the breed, living or dead. He is the sire of the house of the sire of the breed, living or dead. He is the sire of the house of the sire of the breed, living or dead to the sire of t

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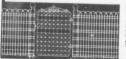
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