

Peterboro, Ont., May 11, 1916



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Opinions Differ on Dairy Legislation

discussed cubject amongst Ontario dairymen. Factory owners, patrons makers are all keenly interested in the manner in which the new legisiation will affect their business. The chief difficult was anticipated seems to be that the makers, many of them unfamiliar with earlier and them of them worked to the earlier with a position to assume the extra work a position to assume the extra work and the enforcement of the legislation to the enforcement of the legislation that the best works. Some think that the best works. tion will affect their business. enror-cement or the legislation will involve. Some think that the best method would be to have the testing done by a special set of officials, although the cost of keeping up a state of the purpose, might be objected in his his patrons.

of men for the purpose, might be objected to by the patrons.

See the part Thompson's Views.

With a verace to the Act, Mr. T.

A. Thompson, secretary of the Dairy-A.

A Thompson, secretary of the Dairy-A.

With the rading of the cream and the pateenting of the why! heart the pateenting of the why heart the pateenting of the why heart the pateenting of the why heart the pateenting of the pateenting of the why heart the pateenting of the why heart the pateenting of the pateent

compelling cheese factories to pay for milk by butter fat test will be very unpopular in Eastern Ontario. It is hard persuade the average patron that is important to send richer milk to factory when such a large percentage of the fat in the milk is not centage of the fat in the misk is not being incorporated in the cheese. The factories that have put in separators and are manufacturing whey butter

are paying good dividends.

"Our dairy experts have been preaching for years that if the milk was delivered at the factories in proper condition and the cheese made by ompetent makers, there would be no fat of any commercial value in the fac of any commercial value in the whoy and that it would not pay to separate it. It will be hard to per-suade patrons of cheese factories that it is necessary to send richer milk while many of our factories are realizing from \$1,200 to \$1,500 annually from

e sale of whey butter.
"If the fat that is being sent to the factories at the present time were in-corporated in the cheese there would be no cry of "lean cheese," nor would there be any necessity to legislate in the matter.

Views of a Hastings County Maker. Chas. A. Tompson, of Hastings County, favors the appointment of offitesters, but fears that patrons might not approve of the plan. He thus states his views

"Re the Dalry Standard Act I would "Re the Dairy Standard Act I would asy that some of our patrons have been agitating for paying by test for some time. I do not think there will be any opposition to the Act, as all have to admit that no one has any right to the other fellows money. The only question seems to be how to get the testing accurately done. It is just the testing accurately done. It is just possible that the gainer would be a losers if there was another set of officials to keep up. I know of some first class cheesemakers who, judging from the manner in which they keep their mith shocks. I would not senatder caremilk-books, I would not consider care ful or accurate enough to do the testing in a satisfactory manner.
"I do not know how often the test

will have to be made, but if twice a month would do I don't see why the present inspectors could not do the work. In our syndicate we are fortunate enough to have a class of makers who do not require very much guid-ance from an inspector, and if he could only get around to the factories often enough he could take on a little extra work without bursting a blood

"I believe it would be better for both

Many Dairymen Anticipate Some Difficulty in Putting the New Regulations Into Operation. Much Educational Work Needed
The Dairy Standards Act, which the maker, who is often rushed and cupied such a prominent place by those who think they are always become the prominent place by those who think they are always becoming the part of the prominent place by the who think they are always becomined to be the most thoroughly tester who did his work at official discussed cubied amongs. Ourself, theyever, famoura food that the ly those who think they are always being beaten, if there were an official tester who did his work under oath. However, farmers feel that there are enough white shirts kept up on the job as it is and that matters should be arranged without having another set of officials appointed."

A Workable Plan Needed First.

Joseph McGrath, 2nd Vice-president of the E.O.D.A. believes that some practicable plan should be worked out before resorting to compulsion. writes as follows:

"I don't think there will be much sition to the new legisla-until after it is in force, as pposition tion until after it is in force, as farmers are not organized in any way whereby their opinions can be given. I think there will be great dissatisfac-tion among pairons of factories when the 'pay by test is in operation. If they are so mistrustful of cheese-makers in weighing their milk, what will they be about cheesemakers or anyhody else 'testing it,' something which is as latin to the ordinary far-mer. At least 76 per cent of the far-mers weigh. mers weigh their milk now and again to keep tab on the cheesemaker, and who can say but what they are justified in doing the not that there has been much need of it, but that it is the only way in which they can know that they are being fairly dealt with. But how are they to know how they are being used in the testing of the

"For my part I don't see how the testing is going to be done, or who is going to do it satisfactorily. The Act provides a penalty for any one con victed of under-reading or over-reading a test, but that doesn't amount to much. If a cheese maker wishes to favor or discriminate against anyone havor or discriminate against anyono he could easily add some cream or water to sample. No matter who does the testing, the cheeso maker will have to take the samples and be the custodian of them. Also the taking of the samples must be carefully done He will have to take a sample from every draft of milk as a man may of ten in filling up the cans empty the cream in to one can and the poorer milk at the bottom of the can into an-The farmer will be able to see that the cheese maker does this, but that the cheese maker uses this, out ne cannot 'keep tab' any further. If the farmers of Ontario are anything like they are in this county they won't he satisfied with the testing. They keep close watch on the weights of their pork, poultr thing else they sell. poultry, etc., and every

"I am not opposed to paying by ist, as it is certainly the fair thing, test, as at is certainly the law testing herd and the man with the low testing herd has really no grievance—let him get a better herd, but under existing conditions I can't see how it is going to be put in practice successfully. What could be done in case suspicion should arise regarding the accuracy of the test as made by the maker? That's a test as made by the maker? That's a sticker. The only way to deal with that will be for every farmer to buy a Babcock tester, and learn to operate it, and protect himself the same as he does now with his scales.

"I think the man who is testing the samples should not be in a position to know who is the owner of any of them, and of course, the cheese maker would know them all. I have had a Bebcock tester in my factory for the last twenty years, but I could never get a cheese maker to use it. wished to have the milk tested I had to do it myself. I think some plan of testing that would be practicable

(Continued on page 6.)



VOL. XX

URING t time to t spring to the Bedford d forms I have Dairy. The su series, is Elm E. Ford-or p erty of Mr. an work together pertains to th that I will ren as the afternoon courteous peop sides of the hor ciated with the Ford, for instan the farm he no

I first heard bred Jerseys, a herd that I vis he had some goe at Maridale, N.3 which run from test of six per c His grand-dam a famous cow in to this one came Woodstock, Ver to a very satisfa

The milking he farm altogether t The farm could but it is Mr. For pose to breed al own cows and ke those that are and good pre Particular emph laid on the health herd, and its imp has been learn hard experience. Ford took over t farm in 1900, a mediately started tablish his here 1907 all of his were slaughtered count of tubere Need I say that M was almost disco for the time, but i he made another and the herd has ally grown to its p proportions. The

all tuberculin teste



Trade increases the wealth and glory of a country; but its real strength and stamina are to be looked for among the cultivators of the land. - Lord Chatham

The Recognized Exponent of Dairying in Canada

VOL. XXXV

PETERBORO, ONT., MAY 11, 1916

A Visit To Elm Cottage Farm A Nice Herd of Jerseys Is the Main Source of Revenue. -By F. E. Ellis, B.S.A.

URING the past few months I have from time to time made reference to my visit last spring to several representative farmers in the Bedford district of Quebec. Several of these farms I have already described in Farm and Dairy. The subject of this sketch, the last of the series, is Elm Cottage Farm, the property of Geo. E. Ford-or perhaps I had better say, the property of Mr. and Mrs. Ford, for in all things they work together and are equal partners in all that pertains to the farm. I have made few visits that I will remember with so much appreciation as the afternoon that I spent with these kindly, courteous people, whose family traditions on both sides of the house have been so long closely associated with the district in which they live; Mr. Ford, for instance, is the fourth of the name on the farm he now owns.

I first heard of Mr. Ford as a breeder of pure bred Jerseys, and it was primarily to see his herd that I visited Elm Cottage Farm. I found he had some good ones. The herd bull, purchased at Maridale, N.Y., comes from a herd the cows of which run from 500 to 700 lbs. of butter, with a test of six per cent. right through the chtire herd. His grand-dam was old Sadie Queen of Vetnor, a famous cow in her day. The sire used previous to this one came from the herd of Mr. Billings, of Woodstock, Vermont, and he improved the herd to a very satisfactory extent.

A Serious Setback.

The milking herd consists of 17 cows. On the farm altogether there were 40 registered Jerseys. The farm could readily support 35 milking cows,

but it is Mr. Ford's purpose to breed all of his own cows and keep only those that are healthy and good producers. Particular emphasis is laid on the health of the herd, and its importance has been learned by hard experience. Mr. Ford took over the old farm in 1900, and immediately started to establish his herd. In 1907 all of his cattle were slaughtered on account of tuberculosis. Need I say that Mr. Ford was almost discouraged for the time, but in 1910 he made another start, and the herd has gradually grown to its present proportions. They are all tuberculin tested, and



Striking the High Spots in Quebec. the farm of Geo. E. Ford, Cowansville, Que.

there has not been a single reaction in the last three years.

A Jersey cow that will produce milk at a profit

is the cow that Mr. Ford aims at, and his will average a pound to a pound and a quarter of butter a day all through the winter months. The cows freshen in the fall whenever possible. Ensilage and roots with, of course, clover hay are the basis of the winter ration. From 2,500 to 3,000 bushels of roots are grown each year, and on the value of these Mr. Ford lays great stress, as he finds that they keep the cows in "great shape." Grain is not heavily fed, never more than from three to four quarts a day. Mainly it is bran, with cotton seed once a day and oil cake once a day. Little grain is grown on the farm. The hay is largely pure clover, the seeding being at the rate of 16 to 18 lbs. Mammoth Red to the acre. In recent years no timothy seed has been included.

Dairy Butter the Specialty.

The cream is made into butter at home and shipped to Montreal, where best prices are realized

The farm itself is broken and irregular, the soil generally being a gravelly loam. The total area is 312 acres, with about 150 acres under crop. The nature of the farm makes it almost ideal for sheep, and Mr. Ford expects the flock to pay for the last 100 acres added to the farm.

Although Mr. Ford and his wife have not accumulated great wealth, nor achieved all of ideals for the farm proper, they have found the time and the money to improve their home and add to the old house all modern conveniences; Thus in their home they have combined the permanence of the older builders with the conveni-

ences and comforts of the modern. The home has a beautiful situation only a few miles from

the town of Cowansville. In the rush of seeding, especially when the season is as late as it is this year, there may be a temptation to work the fand when it is too wet. This is bad for almost

all soils, but on heavy

soils it may do incal-

one who has had to do

with clay that has been

puddled and sun baked

realizes the difficulty of

Anv

culable damage.

getting the soil back to proper tilth. A few hours' delay may save much work later on



Their Owner Specializes in Butter for the Montreal Market. Jerseys at Home on Elm Cottage Farm, Cowansville, Que. - Photos by an editor of Farm and Dairy

All Around The Farm

Some of Our Folks Opinions on Seed Time Topics

Deep and Shallow Cultivation S. B. Conn, Renfrew Co., Ont.

All to do no spring p'owings My land is a sandy loam of good depth, but with a gravel subsoil, so that it is furnished with good natural drainage. This makes it comparatively easy to work up in the spring by means of a disk harrow. The plowing is all done in the fall, and I find it much easier to get it finished now since threshing machines with blower attachments have been introduced into our neighborhood. It only takes about one-half as many men to run the machine, with the result that I do not have to go to every threshing within a mile each way from my gate as I used to do. This saving in time makes it possible to get the fall work done in good time, so that I have everything ready to make the most speed with the spring work by using only wide implements.

Although I do not spring plow, I am a firm believer in deep spring cultivation. I aim to stir the land up just as deep as the disk harrow will stir it. For this purpose I use the double cutaway disk, which I find specially adapted

for making a deep seed bed. The number of strokes depends upon the condition of the soil. After a mild winter or a wet spring the soil seems to be caked pretty solid and needs altivation than when the wind spring have been dry. In a field that has been plowed out of a stiff sod there are so many roots in the soil that it makes it more difficult to work, so that the only rule that can be laid down is to continue disking until the soil is stirred to a good depth.

The object of this deep cultivation is to provide a larger feeding ground for the young plants. It is surprising and interesting to see how a plant will respond to good soil conditions. Most farmers are familiar with the way animals will respond to good feed and care. When they put one up to fatten, they generally expect to see a difference in a few days. It is just the same with a plant. They should be fed with the object of fattening them.

I cannot see the food that these plants make use of, I know that so long as I provide lots of well pulverized soil for them to forage in they will find the food and make the most of it. I also know that if I only provide a shallow seed bed they will have more difficulty in finding sufficient food, with the result that they will be half starved

After disking I aim to give the land two or three strokes with the drag harrow. Besides providing a fine dust mulch for the top, the action of the harrows and the tramping of the horses helps to firm the soil and to bring it in close contact with the subsoil, so that moisture can readily pass up into the feeding ground of the plant. After the grain is beginning to show through, and especially if wet weather has left a crust on the top of the soil, I go over my fields with the land roller. This destroys the crust and helps to further firm the soil, besides crushing any lumps that may be on top. Last year, instead of rolling, I tried running a harrow over a field of oats the same way as it was drilled, and this restored the soil mulch without hurting the oats as far as I could see. The object of all this cultivation is to provide a deep, fine, firm seed bed, with a loose mulch on top.

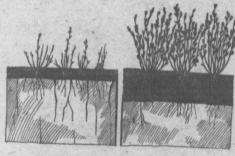
Enclosed you will find two diagrams showing

the advantage of giving the roots of plants lots of soil room to work in. The actual results in the field are quite as striking as those shown in the diagrams

My Idea of Root Growing J. O. Macdonald, Carleton Co., Ont.

HE best practice is to shallow plow a sodclover sod preferred soon after having, or early in the fall; harrow and roll to rot the sod, and also harrow and cultivate once or twice later in the season. Late in the fall, before freezing weather, the land is again plowed, this time quite deep, and is left rough all winter.

In the spring barnyard manure, about 20 tons to the acre, is well worked into the ground, and the land kept cultivated from time to time until ready for seeding. The drills are made with an ordinary plow, about 28 inches apart, and on these freshly made drills turnip seed- or mangels as the case may be-is sown with a drill or by hand on the freshly turned earth, and when lightly covered, is rolled with an ordinary land roller.



Showing the Effect of Thorough Tillage on Crops.

At the left the relats have no chance to spread and cannot get at the nourleament in the soil. The plants are starving and stunted—a poor harvest, or some at all, will re-sult. At the right the soil it well tilled, the roots can enough the first at and set the food. The plants are flourishing and large, and will give supposed harvest.

Although . If no fall preparation in working of the root ground has been made, the best thing to do is to plow down a heavy dressing of barnyard manure, seven inches deep, and harrow and cultivate, preferably the disk harrow, every week until ready to seed. The plowing should be done as early as possible in the spring.

Thick and Thin Seeding of Corn J. A. Macdonald, Carleton Co., Ont.

T will soon be time to decide whether to sow corn thick or thin this year. Referring to the notes that I took while attending the last meeting of the Ontario Experimental Union, of which I am a member, I find that it was pretty well agreed that fairly thick sowing is the best. One of the speakers referred to results of experiments conducted some years ago in Illinois, showing that with thick planting the largest amount of digestible nutrients per acre was obtained. The largest yield of ear corn was secured by planting the kernels about 12 inches apart, in rows 40 inches apart, while if fodder and not grain was desired, it was best to plant only four inches apart in the rows. Dean Henry, of "Feeds and Feeding" fame, was quoted as saying that when the stockman wished to secure the greatest amount of nutrients possible he should plant the

seed so thickly as to choke the ears to about half their natural size. If, on the other hand, his aim was to produce grain, with stover secondary, he should plant the seed grains at such distances from one another as would allow each individual corn plant to produce one or more full sized ears. No rule could be given which is applicable in all cases for guidance as to the amount of seed to be planted per acre, because this is largely determined by local conditions.

The point was emphasized that whereas with most fodder plants the crude fibre increases very rapidly as maturity advances, thus reducing the percentage of other constituents, in the corn plant the opposite is the case. The valuable carbohydrates increase at such a rate toward maturity that the percentage of other substances decrease. Consequently, corn should be pretty well matured to get the maximum amount of digestible food. It should not be planted so thickly as to retard maturity to too great an extent,

Prof. Zavitz, in dealing with the matter, stated that experiments had shown that the crowding of corn together had the effect of retarding maturity. For this and other reasons, early maturing varieties should be chosen and the crowding not overdone. They should be sown in drills so as to allow them to mature well, and should be cut

well on to maturity. An elaborate experiment had been conducted at the college for five years in succession in growing an early, a medium and a late variety of corn in rows 30, 36 and 43 inches apart and with plants four, eight and 12 inches apart in the rows. The largest yield per acre was attained from the thickest planting in the cultivated rows.

I may say that my experience in growing corn under field conditions confirms what was said regarding the planting of corn fairly thick in rows. Not only are maximum yields secured when the corn is sown in this way, but the labor, both of planting and summer cultivation, is greatly reduced.

Business Methods in Farming E. S. Archibald, B.A., B.S.A., Ottawa.

THE present is an opportune time for putting the live stock industry on a more business-like basis. I do not think that any one

would deny that there is room for great improvement along this line. Even on the best of our farms there is a constant waste. Our endeavor should be to plug the leaks. The only secret of improvement in this regard is the application of more business-like methods. The present time, when the demands upon our farmers are so great, seems to me to be a very opportune one for improvement in farm management and for introducing more efficient methods into our farm

The fixed charges on a farm are the same whether it is run at a profit or a loss. The interest on the capital invested in farm, buildings and equipment is a constant charge against the business. These overhead or fixed charges cannot be cut down, but their relative amount can be very materially lowered by increasing the volume of business and cutting down losses. By keeping better cows and feeding them better, and by growing more and better feedstuffs from the same ground, the volume of the business can be increased. Reasonable cooperation in buying and selling and in general community work in breeding will greatly increase the income of the individual farmer without increasing the overhead

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May 11, 1

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The calf she gradually tu old. The ca dition so tha be insured. and see that

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could be done decided to see a farmer, to have a very agreed to buy pay for same of the average on hand the r on-the-spot. couple of ships what was hap packing compa man. Most o with the highe money, but "penny wise, business. The off the market the company's for us. They a and no doubt a about how the Secon

A year passes no longer, so t this time a cha had begun in I Through the and their organ

four branches within a radius work we were regarding the talked the matt ing of the Pres and our previou was held at the full of ginger, de the matter out committee was When the comm read, with a

*From an address given at the Daky Convention,

charges he has to meet. This increased income directly tends, therefore, to increase the profits on his business.

Successful Calf-Raising Neil Sangster, Chateauguay Co., Que.

M ORE attention should be paid to the baby-hood of the cow. Many cows are ruined by being stunted when in the calf period through lack of proper feed and care which hinder their development. This is in evidence in many parts of our country. The undeveloped cow is more subject to disease, and from this class we get the great number of "boarders." The calf should be well fed, new mitk at first, gradually turning to skim af about three weeks old. The ealf should be kept in a growing condition so that full development at maturity may be insured. The feeder should watch carefully and see that the calf will not take scours, the

bane of the dairy cattle raiser. This is usually caused by overfeeding. Milk should be fed to the young calf three times a day. As the calf grows the skim milk ration should be increased, and after each feed of milk a small portion of meal should be given. When the heifer is six or seven months old the task becomes easier, as she then can handle and assine coarser foods as the digestive organs develop. From this time on she should be kept thrifty, but not fat. When the heifer should drop the first calf depends on her breed, size and development. Some claim that early breeding develops the milking propensities of the heifer. Where such is practised from 18 to 20 months should elapse before the second lactation period to allow for growth and development. The cow making a large amount of milk works as hard as any horse and must be well fed and cared for. The rearing of the calf under these conditions, along with skillful feeding and good care, will improve a very mediocre herd into a fine herd of producers.

and the after affects and promptly refused to sell, to thanks to their good judgment and lozalty. The cast result was our man has bought all the hogs ever since, in spite of those who have been doing all the could against us. What we have done can six be accomplished by others.

as in order to make the details of our scheme clear I will tell just how the buyer handles the business. In the first place he has an agreement with our members as follows:

Copy of Agreement.

It is hereby agreed between the undersigned (hereinafter called the seller) and—(name)—farmer, of the township of hereinafter

called the buyer), as follows:

The seller agrees to sell the buyer all his marketable hogs and to deliver said hogs to the buyer in (name of place) on shipping days.

The buyer agrees to pay the seller the f.o.b. prices for hogs at time of shipment, less ten cents per hundred pounds, said hogs to be shipped from (name of place) every two weeks.

The buyer agrees to commence shipping on Monday,—, 191—,
The Buyer Handles the Business.

Our buyer does not travel around to find the possible number of hogs, that will likely be marketed, but the owners of the hogs inform the bayer how many they have. In this way our buyer knows whether he will have to join in with the buyer at the next shipping point to make a fall load, or fill up with cattle at the home station. Usually he does not accompany the shipment to Toronto, as the hogs are consigned direct to the packer. Our buyer gets quotations from the packer that can be seen by any member upon request. So far our hogs have been paid for on the fo.b. basis and the sellers are paid cash for their hogs at time of marketing.

Our shipping experience is not of long standing and the system may be changed and improved on as circumstances necessitate a change.

The farm is a permanent investment. The most of us who buy a farm do so with intention of making farming our life work, usually on that farm. Why, then, not make all of our improvements of a permanent nature. Use permanent materials, such as cement or masonry, where possible. Plan permanent fences and build good ones. It pays to figure on future use rather than present cheapness.—Henry King, Halton Co., Ont.

Cooperative Marketing of Hogs

How Four Branches of the U.F.O. Combined Their Forces and Solved the Problem
L. SCHNURR, GREY CO., ONT.

OR a number of years the farmers in our vicinity considered themselves overcharged by the drovers who were handling? I so for the packing houses. We were paying a commission to two buyers at our shipping point. One of them was supposed to receive a stated salary, still he stood in for his share of commission, which they claimed was only ten cents per hundredweight. This fee the farmers would not have begrudged them had they stuck a little closer to

A few of us got together to find out if anything could be done and talked the matter over. We decided to see some of the farmers and get a man, a farmer, to do the buying for us. We didn't have a very long search to find our man, who agreed to buy all our hogs and when weighed pay for same within 10 cents per hundred weight of the average, f.o.b. price. So he agreed to be on hand the next shipping day and was Johnnyon-the-spot. Everything worked fine the first couple of shipments. When the other fellows saw what was happening they got busy with the pork packing company at their back and outbid our man. Most of the farmers flocked to the men with the higher price, thinking they were making money, but thoughtlessly following the old "penny wise, pound foolish" system of doing business. The result was our man was forced off the market and we were again in the hands of the company's buyers, who did not care a snap for us. They got back the extra money they paid and no doubt a little interest besides, and laughed about how they had put it over the poor dupes.

Second Effort More Successful.

A year passed away. We could stand the fleecing no longer, so thought we would try it again. By this time a change had taken place. Organization had begun in December, 1914.

Through the United Farmers' Co-operative Co. and their organizer, Mr. J. J. Morrison, we have four branches of the United Farmers' of Outario, within a radius of ten miles. As a result of this work we were in a position to govern the terms regarding the sale of our hogs. A few of us related the matter over and decided to call a meeting of the President and Secretary of each club and our previously defeated buyer. The meeting was held at the most central place. We all meet full of ginger, determined to win, and we threshed the matter out thoroughly. After the debate, a committee was appointed to digit an agreement, when the committee reported and agreement was read, with a few minor changes it was

unanimously carried. A copy was handed to all the officers of the different clubs to sign up all members and as many outsiders as we could get. We were not long in getting all the members and many outsiders as well, thus increasing the membership of the clubs. When our organizing was complete our man appeared on the market and bought 85 hogs for the first shipment. The opposing buyers secured only 14 and would have fallen short of this number had they not been previously promised.

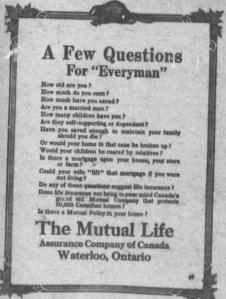
After this, keen competition started and the old saying was dised that the farmers would not stick together and that they would soon break up the organization. They immediately got busy with the telephone, horse and rig, and scoured the country with the intention of buying up all the hogs at the farmers' stables and offering higher prices, which they knew our man could not pay. They even offered as a bribe \$2.00 a hundred more when at the market. But the farmers would not bite; they remembered their first experience



Wide Implements are an important Factor in Solving the Farm Help Problem.

by increasing the number of horses driven a man's efficiency may be nearly doubled. One man driving an is-dependent of this, little the one shows above, can sow from 30 to 25 acres a 6th that his out-fits were only seen in the West. They are becoming a commoner, however, in Eastern Canada. This outside the control of th

(6)



You'll Find the Advertisers in FARM AND DAIRY advertising reliable goods. They want to know you; also want to know you saw the Ad. When writing them don't forget to tell them you saw the Ad. in FARM AND DAIRY.



Hints on Concrete Construction

DURING the course of an illustrated lecture relating to concrete construction on the farm, the speaker was aweed what proprion of farm week what proprion of farm week what proprion of farm week what propried to failure the construction of the proper few, and that if farmers were far structed as to the use of proper aggregates, failures would become practically unknown.

unknown. following brief instructions oncerning the essentials of good con-crete have been prepared for the in-formation of farmers, who will find them convenient as reference data. If strictly observed, they will insure satisfactory results.

Aggregates to be Used in Concrete Construction.

Construction.

The sand, stone, and gravel usually found upon the farms of the United States are generally suitable for concrete construction, provided the following precautions so taken:

1. These aggregates must be free from vegetable matter, dirt, or other foreign substances.

2. When using bankrun gravel, the sand must be separated from the stone or pebbles by screening through a ¼-inch screen.

3. In small concrete gring through a ¼-inch screen.

3. In small concrete gring through a 14-inch screen.

a ¼-inch screen.

3. In small concrete structures, such
s drain tile, fence posts, etc., the
coarse aggregate (crushed rock or
gravel) should range in size from
¼ inch to ¼ inch. For larger work,
such as silos, barn floors, ordinary
foundations, etc., coarse aggregate
should range from 1½ inches to ¼
inches to ¼
inches to ¼
inches to ¼

inch.

4. The sand used should be coarse,
hard, and clean, and graded from 14
inch to fine, with the larger size predominating. Use great care in hand
making. It is economical to buy a
small machine mixer if the farmer intered to a converse in large must. tends to use concrete in large quan-

Hand Mixing.

Hand Mbring.

Proper methods when concrete is mixed by hand, using a two-bag batch of 1:2:4 proportions, are an follows:

1. Size of measuring box for sand should be two feet square by one foot high, thus containing four cubic feet.

2. Load sand in wheelbarrows and wheel on to mixing beard.

3. Fill sand-measuring box, lift box, and spread sand four inches thick over board.

4. Take two bags of cement, place contents as evenly as possible over

Turn the sand and cement over

8. Turn the sand and cement over until thoroughly mixed, so that an streaks of coment or sand appear.

6. Spreament or sand and cement out carefully until or sand and cement out carefully until or sand and cement mixture and mix throughly.

7. Add three-quarters of required-amount of water slowly and eventy, at same time mixing the mass.

8. Continue mixing, adding balance of water when dry spots appear, until whole mass has been turned over three or four times. This should be sufficient. After final turning, shovel into compact-mass ready for wheeling to place.

O.A.C. Examination Results

THE results of the first, second and third year examinations at the Ontario Agricultural College for

Datario Agricultural College for 1935-39 are as follows:
First year: Pass standing in order, Elrst year: Pass standing in order, except in cases marked with ", the accopt in cases marked with ", the mumbers denoting the subjects in list mumbers denoting the subjects in list believe an which gass standing was not believe an which gass standing was not believe and the property of t

Stewart, Aylesworth, Stillwell, Peters, Ziegler (*13). Stewart, Aylesworth, Stillwell, Peters, Delsmore, Higgins, Ziegler (*13), dinally (*12), Jones (*11), Grews (*12), Biblick, Allan (*13, 20), Wadsworth, Patterson, Secord, F. N. Wadsworth, Patterson, Secord, F. N. Wadsworth, Patterson, Secord, F. N. Wadsworth, Patterson, Secord, S. M. Wadsworth, Patterson, Secord, S. M. Wadsworth, Patterson, S. W. Wadsworth, Patterson, Conference (*4, 12), Grant (*1, 12), Machand (*4, 12), Wood (*8, 10), Machand (*6, 12), Hale (*10, 12), Carr (*1, 1), List of the Company of the

medica.

medica.

Second year: ("B" indicates less second year: ("B" indicates less liban 60 per cent. In English);—Cooper, Logan, Bremmer, Brown, E. S. Bryder, Hehmpel, Ferguson, Arnold, James, Patterson, Andrew, McSibean, Malyon, Wilson, Sullivan, A. W. Shyder, Newton, Lowell, Jakes, Dako, E. C. V. Walker, Dodding, Parfitt, Robinson, Schollech, Nelson, Murroe (*18), Schollech, Nelson, Murroe (*18), Morto, Schollech, Molan, Murroe (*18), Midleod, Hourd, (B), Midleod, Hourd, (B), Midleod, Hourd, (B), J. L. Walker (*18), Hawley, Flinch, Lambert, Lavis, Richards, (E) Moore (*22), (E) Shaw.
List of subjects:—Electricity, phy

List of subjects: - Electricity, phy. botany, principles of breed.

botany, principles of breed.

Third year: White, Austin, Mason,
Slack, Evans. Davey, Schurman, Gulid,
Wiggins, Murdock, Sutton, Manton,
VanEvery, Selvyn, McKillican, Clark,
Martin, Neff. Waterman, Stokes, Redmond, Marritt, Fleming, Hunter, McConkey, Skinner, Merkley, McCurry (except in meteorology and quantitative chemistry.)

> Opiaions Differ on Dairy Legislation

(Continued from page 2.) should have been worked out before making it compulsory. "The Act also, compels the pasteuri-sation of when yhen it is drawn in the milk cans. That is another thing that is very hard to put in practice. "To pasteurize properly it must be heated to a temperature between 165 and 160 degrees, any lower or higher

and 160 degrees, any lower or higher temperatures would de more harm than good. How can a factory owner see that the maker does this properly? In no way that I know of: I tried it once and it proved a failure. It theory it seems fine, but in practice it is altogether different.

"I have studied the question of pay-ing by test for years, and I don't know of any case in which it would give satisfaction. I am looking for lots of trouble when the Act goes into force."

Paying by Test in the States

It may be of interest to dairymen to know what is being done in some of the States regardisc payment by test at factories. We are in receipt of the following from the Dairy Dept.

Wisconsin: "I do not know of any Stale that "I do not know of the Babook test in paying for milk received at a cheese factory. A large percentage of the Cheddar cheese factories in Wisconsin are using the Babook test as means of calculating the amount data. The state of the Cheddar cheese factories in Wisconsin are using the Babook test as means of calculating the amount data. The state of the cheddar is the state of the cheddar of the state o

Wisconsin." In New York, another great dairy in New York, another great dairy state, payment by test is left optional, as will be seen by this extract from a letter received from the Experimental Station, Genera, N.Y.:

"There is no law in this State which makes it compulsory for cheese footeries to pay on the quality baris. Some factories pay on that basis, and creameries practically all pay on that basis."

May 11, 191 The 16

K INDLY and explored the property of the prope tin entitled, operative Pro and eight slic are to go to the cuts being the week, ge to supply for outs No. 16. bers are each The weeks in members are are arranged of slips from thing is left to ber gets a squ more convenie may rearrang instance, if a ticket has not ready in time,



ments with an down the list

ready that mig tually advantag

Eversion By A. S. A

VERSION S the most pening to and one the remedy. pulsion of the or "casting the fused with a s

The afterbirth close upon calvi majority of cas taken place twe the accident when discovered ing down and that the wom lacerated or bru No time shoulding treatment.

ssen the sever poses operation, a one-ounce dos should be buckle body just in from sist in the same ant may, by pi the cow, which a to make reduction imposerbility. Aft thoroughly with assistants do the

The 16-Share Beef Ring

The 16-Share Beef Ring

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must be washed in a warm two per cent. solution of an effective disin-

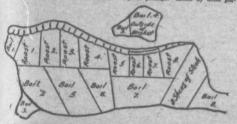


Diagram Showing How to Cut a Carcaes for a 16-Share Beefring.

ments with another member further tions disappear and the mass is grad-down the list who has an animal ually pressed inward.

The second of the mass is grad-ready that might become too heavy if held until his turn later in the sea.

When it has been possible to make a feel large many of the mass of the second of the sea. The exchange therefore is mutually advantageous

The afterbirth is usually attached where the acchent has supervened close upon calving, but is absent in a

When it has been possible to make a fairly large part of the mass nearest the body disappear, then the shut fist of another assistant is next ap-Eversion of the Womb

By A. S. Alexander, M. D. G.

VERSION of the womb is one of interest in most serious accidents hapmay and that is need to the free portion of the womb in one of interest in most serious accidents hapmay modernly telescope upon itself and and one that is always difficult to remedy. By eversion we mean expulsion of the womb from the body, or casting the withers, as farmers when the becomes more quiet the cometimes term it. It is often confused with a simpler accident, vis., eversion of the vagina, or passage to womb but straightened out and got into the womb. their proper position in the pelvis.

Lard as Antiseptio.

majority of cases where calving has This done, a mass of freeh unsatted taken place twenty-four hours before lard may, it possible, be worked into the accident. In many instances each of the two horns and left there to when discovered the cow has been ly-net as an antiseptic, melt and collect the accident. In many instances each of the two borns and left there to when discovered the cow has been 1; act as an antisputic, multi-client find own and getting up again so that the womb has been bounded that the womb has been been founded, incerated or bruised.

No time should be lost in commence ing treatment. To quiet the cow and lost in commence ing treatment. To quiet the cow and lost in commence in the contract of the cow and lost in the same time protecting the anoneous operation, the cow may be given onter the circulation and set up a concounce does of chlored hydrates and the same with mount of the should be buckled tightly around the womb and may be left in place for body just in front of the udder to assist in the same way, and an assist in the same way, and an assist in the same way and an assist to be treated in the same way, but the cover the cover the cover the cover the expulsive efforts of good plan is to apply a long five-incinness that the same way and to make redden are often as often as often as often as wide bandage apirally to the womb to make redden and the sections and the same way with the same way that the cover the co

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Beautifying the Home
Chirle. Howeon, Peterboro' Co., Ont. Heaves CURED HE farm home may be beautified in many ways, according to the owner's likes and dislikes. The idea is, that the surroundings should idea is, that the surroundings should be made so attractive that they will appeal to the eye of first sight. It was a very proper answer to him who asked why any man a'outd be delighted with beautiful that "It was a question that none but a bland man could ask."

One way of beautifying the farm One way of beautifying the farm home is to plant trees along the read-side. Before planting the dress is would recommend that the fences he is good condition and ones that are intended to remain permanently. The reason for this is that the growth of the young trees will not be hindered by the pulling down or building offences.

Young maples are the most suitroung mapines are the most suc-able trees for this purpose. These may be obtained in the woods by dis-sing around the tree with a spade, a circle with a radius of about one foot. As much earth as possible should be taken up on the roots of the young tree and planted with it. These trees should be planted about 36 or 40 feet apart and on the inside of the fence, to prevent any cattle pasturing on the highway from browsing and break-

ing them down.

Before the trees are planted, most of the limbs should be cut off and the remaining ones cut back. About thirty years is required for the maple to give much appearance of beauty.

to give much appearance of beauty. The laws may be improved in appearance planting a hedge around it, also by a manufacture planting a hedge around apruce trees and appearance with the planting and appearance with the planting and appearance will show to advantage. The such positions that they will give a pleasing effect to the eye, otherwise they will show a lack of good taste. The spruces trees used for this purpose should be thick and branching to the ground. to the ground.

The cedar is pe naps the most suit-ble for hedges. The roots of the The cenar is pe sape in the sale for hedges. The roots of the young trees should be mulched with strawy manure and planted about 10 inches apart. These should be watered during the dry spells for the first manual. This will increase their ed during the dry spells for the dress ed during the dry spells for the dress unmer. This will increase their growth, and decrease the danger of their dying. There is a lapse of about three years before much trimming is required, other than the cutting of the clops. After this, a line should be stretched along the top and sides of the badge and the hedge trimmed to it. Piowers add greatly to the appearance of the lawn if properly arranged, proven say the dog in suitable places, and then suitable flowers planted in these. At little border plant placed these. A little border plant placed these. A little border plant placed these.

around the edge of the bed helps to produce the desired effect, if the color of the flower is an harmony with the other flowers in the bed. Hanging beskets, old churna, etc., pashed and filled with vines and pashed and filled with vines and pashed and filled with vines and lawna. These, of the many other improvements not their mentioned, will make the farm bone very attrac-tive.

HRING HELP BY THE MONTH—In hiring help by the month, are 26 working days considered as month or from date to date, for instance, Aug. 28 to Sept. 197—A. S., Stormut Co., Ont. A. C., alendar month is considered to be the time in conformation of the

A casessar month is considered to be the time in contemplation of the parties when hiring help by the month. Your help was therefore hired from the 10th of August to the 10th of September.

*Mr. Howeon, the writer of this cicle, was a competitor in Farm Dairy's last Good Farms Competitible beautiful surroundings of his factories and the index of the factories of t

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Keeping the Poultry House Clean W. G. Eentley, Wellington Co., Ont. WE always try to keep our hen-house clean, with as few lice Whouse clean, with as few lice and mites suffecting the bridg as possible, but there are certain times of the year in which, we think a special cleaning is necessary. The warm spring days, after the spring much has dried up, seems to ue to be one of the best times for giving everything in the shenhouse a thorough.

We begin by cleaning out every bit of litter and every speck of dust and dirt that can be removed with a broom. We also remove everything that is removable. We then treat all the best of the control of the contr to their home than ever.

Diarrhoea in Poultry

Diarrhoea is a symptom in 30 many diseases that it is impossible to state the exact trouble with your corre-epondent's hens. Yellow droppings may indicate cholera, but if this were the disease all the whole flock would have gone before this instead of one or two a year. It may also indicate tuberculosis, but without a post-mortem examination it is impossible to tell. It may be nothing but simple diarrhoea. I therefore suggest that a to tell. It may be nothing but simple diarrhoea. I therefore suggest that a sick bird be sent be express, collect, to Dr. Chas. H. Higgins, Dominion Pathologist, Experimental Farm, Ottawa, and have your correspondent write a letter at the same time giving all the details of the disease. In the meantime, clean and disinfect in-oroughly the poultry houses, isolate any birds that may be not in the very best of health, and g'-e to all in the drinking water muriatic acid at the rate of one teaspoonful to two gallons of water—"9-C. Elford, Dominion Poultry Husbardmen.

Handling Young Chicks

HICKS need no food nom two to three days after hatchive. They should be kept warm. Puring the first week the temperature should not fall below 95 degs, and during the second week it should be held up to 90 degs. When they crowd under the hover of the brooder it is a sign that they are cold. Fifty chicks is enough for one brooder. When too many are put together the sometimes pile on top of ca. hother and some smother. Viben the chicks are 48 to 60 hours



Dear Sirs, I am writing a testional as to the strength of your Peerless Junior Chicken Feucing. Mine is four feet high. It turned two forces, each weighing 1400 younds. They ran full like linto the feening about 2 rods from each other at the same time. The result was that they turned a somerault over the fence, alighting on their heads and necks, exertching them up some, but the fence remained intext. Your truly, Think of III. A dead writer in service to the contract of the

Think of it! A dead weight of nearly a top and a half coming with vi-

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old feed them equal parts of bread middlings and rolled oats to which crumbs and oatmeal to which add a add 10 per cent. of meat scraps. Hittle chickes: Pseud four or five times a day and only what they will ground nate may be used in place of a ground nate may be used in place of a ground nate may be used in place of the rolled oats. At this age the chick third day feed a prod quality of chick foed can be discontinued and equal feed. Sprinkle it in the litter, which parts of wheat and cracked corn feed should be made up of a thin layer of in fits place. Keep the mash before short cut affairs or fine cut straw. A them in hopper.

or 50 a day. Provide green food, or 50 a day. Provide green food, Many of us forget that eggs will sprouted oats are best. Mangels, absorb odors. They will not absorb green clover and lottuce are also odors as readily as milk, but at the good. When on open range the grass same time, care should be taken in will answer of the chicks are keeping the storage room for eggs two weeks. In mixture of equal free of strong odors.—Prof. W. R. Graparts of wheat bran and beef everays ham, O. A. C., guelph, Oat. may be kept before them all the time. when four weeks old the following mash mixture can be fed in hopper; the seed growing industry in this equal parts of bran, corumeal, wheat county.—A.J. Craig, Carleton Co., Ont.

points; crumon pees, three pounts; sprinkle fine sand in the cut clover millett eeed, two pounds, and fine and alfalfa leaves. Give them plenty charcoal, three pounds. Keep grit, of fresh water at all times. Give charcoal and water before them all them water in something that only charcoal and water before them all them water in something that only the time.

After the first week begin giving set. Do not let the chickens can become beet scraps in small quantity. Peed the water. Keep the coop and yards aparingly at first, one ounce for 40 fty, because damp places prove fetal.

HORTICULTURE

Advantage of Large Seeds OOD seed, better seed, and the best seed are terms of prime impost-seed are terms of prime in-portance in plant production. The best seed, according to investiga-tions recently conducted at the Vermont Agricultural Experiment Station, is large seed. The results obtained th seed sorting of sundry plants are assistance in the explanation of several points relating to the difference in maturity, lack of uniformity in size, season and quality of production.
Mr. M. B. Cummings, who conducted
the investigation, summarizes his results as follows:

The advantages which accrue from The advantages which accrue from the use of large and heavy sweet pea seed are earlier blossoming, a larger total number of blossoms, and a larger number of blossoms of good quality, as indicated by the size of bloom and length of stem. Plants grown from large seed are heavier and bear more and longer lateral branches.

Tablesa ground and waste pumpices.

Hubbard squash and sweet pumpkin respond well to seed selection. Plants grown from small seed yielded a larger

number and a greater total weight of fruit, but were, however, markedly in-ferior with respect to number and weight of ripe fruit. Special precau-tions were found to be ancessary in order to avoid a mixed heritage of

A Benefit to Lettuce.

The merits of large seed in lettuce culture are shown in the production of larger seedlings, an increased weight of edibly matured plants, which disof eathly matured plants, which dis-played better heading-up capabilities, earliness and uniformity in filling the heads; in short, augmented earliness and quality.

and quality.

Heavy spinach seed outclasses light seed in weight of plants, width and number of leaves engine of main stalls, and general earlier seed in the spinars of the seed in weight of the seed in the spinars and serier foliage, and general earlier foliage, the spinars of the spinars and earlier foliage, but shows greater recuperative but shows greater recuperative but shows greater the spinars of the

short-term crops, show good gains favor of large seeds. Sorting the siz favor of large seeds. Sorting the sizes from the same parent gives as great a contrast as sorting composite samples, showing that gains may be made irre-spective of the nature of the parent

specifye of the nature of the parent plants. Large seeds give a more uni-form crop ready for use about one week in advance of small seed. Large Seed.—Earlier Beans. Talls with beans resulted in favor of the large seeds. The advantage ac-ruling from the earliness of the pro-duct grown from the large seed is somewhat offset by its later germina-tion.

In a single trial, garden peas made in a single trial, garden peas made little or no response to size selection of seed, although a slight gain was re-corded for plants from large seed if allowed to mature; but no gain was observed when harvested as green

peas.

The weights and sizes of plants compared at different stages of growth compared at different stages of growth show that a continuous and permanent advantage exists in favor of large seed. Plants grown from large seed possess more leaves of greater surface area, and hence have greater assimilative

The place origin of small seeds in pods of different plants show a chaotic distribution. In beans, 49 per cent, were found to occur in the basal end, were found to occur in the basal end, while 18 per cent. occur in the middle of the pod. Garden peas follow more regular distribution, for the small seeds are almost always found at the ends of the pods, with one end as pro-lific as the other.

How We Grow Potatoes Alexander Lamont, Middlesex Co., Ont.

OUR soil is a sandy loam. The variety of potatoes that we grow is the Dooley. As a general rule we follow potatoes after fall wheat, or clover. We plow the wheat stubble after harvest and give lots of cultivation. We apply the manure directly from the stalls, 20 to 25 loads to the acre and work directly into the soil. We harrow frequently during the spring and seed about May 24.

the apring and seed about May 24.
We use good, sound seed of medium size, and have each seed piece
the size of a hear's agg. Our method
of planting is to plow the ground and
ecod every third furrow running the
furrows five inches deep. We spray
with Bordeaux mixture to contrel
with Bordeaux mixture to contrel. blight, and expect extra bushels of yield for every extra cultivation we give the crop.

We regard seed selection as most important in keeping up yields. Before the general digeting we go over the field and turn out the most likely looking hills and select seed tubers from the best of these. We take notice of the plants; some are stocker and, bushier than others. These are arctered, as we begiver that such plants resid disease best and they can be cettigated [suggest.] We regard seed selection as most

roduction and hrit

CANADA'S CALL FOR SERVICE AT HOME

Produce More and Save More The Empire needs food. If you are not in the fighting line you may be in the producing line. Labour is limited—all the more reason to do more than ever before. Grow food for the men who are fighting for you. The Allies need all the food that you can produce. Every little helps. You are responsible for your own work. If you cannot produce as much as you would like, produce all you can. Work with the right spirit. Put fighting energy into your effort and produce now when it counts. The most you produce the more you can save. Producing and saving are war-service.

Make Your Labour Efficient

In war-time do not waste time and energy on unim-

possible, help in producing something needed now. Let us not waste that after the war, and, if needs it all. If possible help to feed the Allies. Make your backyard a productive garden. Cultivate it with a will. Make your labour countries and the cultivate it with a will.

Do Not Waste Materials

There should be no waste in war-time. Canada could pay the annual interest on her war expenditure out of what we waste on our farms, in our factories, in

our homes. Every pound of food saved from waste is as good as a pound of increased production. The way for a nation to save is for every individual to save. France is strong to-day because of thrift in time of peace. The men and women of Great Britain are not only "doing" but are learning to "do without."

Spend Your Money Wisely

Practise economy in the home by eliminating luxuries. Wasting our dollars here weakens our strength at the Front. Your savings will help Canada to the Front. Your savings will help Canada to not be not

THE GOVERNMENT OF CANADA

THE DEPARTMENT OF AGRICULTURE

THE DEPARTMENT OF FINANCE

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May 11, 1

Don't wand suffer lend for any-fitting hoes. We il-tanned raterproof. Palmer's

No. 1 Red " 2 Red " 1 Alsi " 2 Alsi " 1 Alfa

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RIDER AC



Palmer's "Moose Head Brand" illicit 2" response about a sea extra made ly specialistic, on early fitting it and left leate. If your dealer vir them, send his name and \$3.25 and or express order), stating histories to your address, anywhere or U. S. The same style 5 creleta, \$3.27, Write for calaborus F JOHN PALMER CO., Limited, Prodericion, N. B., Canada, 24

CLOVER SEEDS

Government Standard
Per Bus.
No. 1 Red Clover\$16.00
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" 1 Alsike 12.50
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" 1 Alfalfa (Northern
Grown) 16.00
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(This seed grades No. 1 for Purity)
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or ship back at our expense. Ask for Samples if necessary. Todd & Cook

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RIDER AGENTS WANTED

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The Farm Office

By G. D. Fuller.

ARMING is a business and the manager of one is, or should be, business man. a business man. Every city business man has an office because it

business man has an office because it has proven an asset to his business. A few farmers have also tried it and proven its efficiency.

A few reasons why every farmer should have a business office, even if it-js no more than a space partitioned off in the tool house, are as failwar.

1. Bulletins adapted to every phase of the farming business are now available, and unless these are filed away, they are never to be found

He often has business callers 2. He often has hussness callers who feel averse to walking into the house and talking freely before the women members of the family, but who are at ease when alone with the with a stove and chairs is a fitting place to take them, especially in cold

many drawers and pigeon holes, an extension of the 'phone from the house; shelves or cabinet for filing his books, pamphlets and samplée; a stove and a table for his experiments. Other equipment may be added as is

The Dog and the Cows
Jas. Smith, Peel Co., Ont.

HEY! there Jim, time to bring the cows in."

That call was the morning terror of my life all through my boyhood days. It meant crawling out of a hood days. It meant crawling out of a nice warm bed and hiking out through the cold wet grass after the cows. Our farm was large and as was the habit in those days all the land near the buildings was devoted to hay, grain and corn. The cows were pastured on the stump land away at the back of the farm. Hence the long run for the cows just at day break, in bare feet through cold grass was never pleasant.

long run for the cows just at day break, in bare feet through cold grass was never pleasant.

I had always agitated for a cow dog that would go and bring those cows for me. But father was opinion to the desired for a cow for the desired f

Gows That Did Milk.
And then came our first pure bred
Jerseys. We bought five. The first
night's milking was a surprise. Some
of them had been milking for 10
months but they gave as mach milk
that night as our mongreis did at the Cows That Did Milk.

end of two months. And it looked richer too. The young follow that brought the cattle effered to stay with as a couple of days to give us a few pointers on managing them, and although we did not think

them, and although we did not think it was necessary we agreed. What a change the next morning! What a change the next morning! The new arrivals came in on the run along with the rest of the herd. Not onto of them would give down her milk readily and acales were not needed to show the decrease. We almost believed that the breeder from whome purchased the Jerseys was working a game on us, that he had only half milked them the morning he sent them away, in order that we would be favorably impressed with the first milking. The fellow who brought the cows, however, was of a different opinion.

"Say," said he, "you fellows had better stick to mongrels. They are more your style than these Jerseys."
"Why, how is that?" we inquired. "Well, anyone who knows anything than the say how the say knows they have been applied to the say how they have been the say how they have been they have been they have been they are they have been the hard have been they have been they have been they have been the hard hard have been they have been they have been the hard have been the hard hard have been the hard hard hard hard hard hard

washer.

3. The time is fast approaching when the successful farmer will know something of sedence, and an office several section of the self-section of the self-sect

them their mistake.

Washing the separator once a day WHITE AND COLUMBIA WYAN- is not all that it is cracked up to be DOTTES, LIGHT BRAHMAS, S. C. WHITE LEGHORNS.

WHITE LEGHORNS.

White Leghorns and separator once a day white Leghorns.

9 31 DOG - 44 DIO Profits from Savings

> is the subject of a little booklet that we want to place in the hands of every reader of this paper who is anxious to save; and to invest his or her savings where they will earn 5% with safety of principal and regularity of interest.

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surviving sclumme of Farm and Pairy are accurately
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our readers, we turn away all because to protect
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takes the second of the protection of the second of the

The Rural Publishing Company, Ltd. PETERBORO, ONT.

"Read not to contradict and to confute, nor to believe and take for granted, but to weigh and con-

Mail Order Competition a Help

FEW weeks ago the publishers of farm papers in some of the central States toured their largest cities holding conferences with business men with the view of impressing them with the buying powers of the farming public and with the dezirability of the Farm Press as an advertising medium. Among the addresses given was one by an enterprising merchant of a small country town. Dealing with mail-order houses, he insisted that far from being the enemy of the country merchant, they are in reality a help. He is quoted as follows:

"Whenever I see a farmer taking home a catalogue from one of the big mail-order houses I know that he will sit up under the lamp looking through the pages, finding out about the things he never knew existed-things that would make his work easier and give him more comfort and luxury. Thus his needs and wants are increased. He becomes a bigger customer. I will take my chance of selling him against the mail-order

house "

There is a great deal of truth in what this merchant said. The catalogue tends to stimulate buying, but the increased demand for goods that results will not all be met by the catalogue houses. The live country merchant will get his share of the increased business. His interests are best served, not by antagonism to the mailorder business, but by taking advantage of the greater demand for the goods that he offers for sale.

Preparing for the Dairy Regulations HE adoption of the policy of paying for milk at cheese factories on a quality basis will mark a distinct forward step in Ontario dairying. The manifest injustice of ignoring, in a product so variable in quality as milk, the factors on which its quality depends, must eventu-

ally lead to the introduction of some scheme by which milk will be paid for according to value. But dairymen, confused by the disagreements of authorities as to which was the most desirable basis for payment, have been slow to take up payment by test. This naturally led many lead ing dairymen to conclude that some method of promoting this reform was necessary. The result is the Dairy Standards Act, which requires the payment according to test from the beginning of next season

Although this legislation is a distinct step forward, the fact should not be overlooked that it is a very long step. In fact, it is the most radical piece of dairy legislation every introduced in the province. According to the statement of the Minister of Agriculture in presenting the bill for its second reading, ninety per cent. of all the milk delivered at the 1,000 cheese factories in Ontario is paid for on the pooling basis. Since payment on a quality basis has been taken up voluntarily by such a small percentage of our dairymen, it is apparent that there must be strong reasons for the lack of progress in the past, and that a large amount of apathy, as well as considerable opposition, must be overcome before the new legislation is put into operation. It is evident that between now and April 1 of next year much educational work will have to be done if the regulations are to be introduced without friction, and also, that steps must be taken to remove what have proved difficulties in the past.

Paving the Way

N undertaking a campaign of education to prepare makers and patrons for the adoption of the new regulations, the first essential is a full understanding of the difficulties, real or imaginary, that stand in the way. For arriving at such an understanding a free discussion of the whole matter'should be of great assistance. For this reason Farm and Dairy has opened its columns to such a discussion. We believe that dairymen should have a full opportunity of discussing in their recognized dairy organ a subject so vital to their interests. In this discussion the difficulties can be pointed out as well as the methods by which they may be overcome. The result should be that those concerned in introducing the new regulations will be assisted in bringing the matter to a successful issue.

In the meantime we wish to define our attitude. We are in favor of the step the government has taken, providing the great difficulties that many factory owners, makers and patrons will face in meeting the demands of the new legislation are recagnized and provided for. We believe that the time has arrived when it is necessary to put the payment for milk at the factories of the province on a quality basis of more or less uniformity. We believe this can be done. Ten per cent. of the factories have adopted payment by test voluntarily. What can be done at one factory can be done at another. The question is simply that of accepting the situation and doing our best to meet the new demand. If we all do this, and the legislation goes into effect without further delay, the result will be that great good will accrue to the dairy industry of Ontario.

Attractive Home Grounds

UCH that is written on beautifying the home surroundings is applicable only to town-lot conditions. Striving after color schemes and mass effects may be all right on a piece of land twenty-five feet square to which the owner can devote an hour or two each evening, but on the average farm a simpler plan must be followed or the land around the house given over to neglect. The farmer is too busy a man to have much time for attending to flowers, especially in the spring, when they demand extra attention.

The matter is usually left to the farm women who, anxious though they may be to have every thing attractive, outside as well as inside the house, have only limited time for gardening. The first essential in any plan for laying out the home grounds on the farm is that it require the minimum of labor.

The other day we visited a farm home, the surroundings of which seemed almost ideal from the average farmer's standpoint. Scarcely any work was needed to keep it in order. The fences and gates were in good repair, the posts were all standing up straight, and not a trace of weeds or rubbish was in sight. This in itself was enough to lend an air of attractiveness to the place. The lawn was large-nearly a quarter of an acre in extent-and had never known a lawn-mower, When the grass gets too high it is simply trimmed with a sharp soythe. Around the edge of this open space was a row of trees that need no attention. A couple of lilac bushes at the front corners of the house relieved the straight lines, and a narrow border along the verandah, in which a few hardy perennials, backed in summer by some nasturtiums that climb up the lattice work, completed the arrangement. The total time required to keep the grounds in order for a whole summer would not total half a day, but the general effect was quite as pleasing as if the most complicated plan had been followed.

Fluctuations in Hog Prices

1998 than a year and a half ago Prof. Geo. R. Day, in an address at the Guelph Winter Fair, made a strong plea with the farmers of the province not to rush out of the hog raising business. With prices around seven dollars a hundred and grain selling at high figures the prospects were not encouraging. As is usually the case when prices are low, the impression seemed to be abroad that hogs would never pay again, with the result that men were selling short of breeding stock. Prof. Day saw better things ahead, however, and strongly rallied the farmers not to take advantage of the case with which they could get out of hog raising, but to keep fully stocked up with brood sows until the market righted itself.

With prices now hovering around twelve dollars a hundred live weight, the Professor's faith has been amply justified. The placing of extensive war orders for meat on this continent has undoubtedly had much to do with carrying prices to such unheard-of levels, but it is safe to say that even under normal conditions the market would have rallied, and that at the present time hogs would have been selling well. Those who stayed with the game are now reaping their reward.

It would be well, however, not to be induced by present prices to swing over too far to hog raising. The close of the war will witness a falling off, perhaps a great falling off, in prices. There is always an element of speculation in the hog market. As a result of the rapidity with which pige multiply and the shortness of the time which they take to reach maturity, the stock throughout the country may be quickly increased or depleted. Variations in the supply are reflected in wide price fluctuations, and the difficulty of definitely forecasting the market allows a speculative factor to enter, accompanied by an element of risk. The man who plays safe, keeps his breeding stock fairly constant, and takes high and low prices as they come, is the man who usually makes the most out of his hogs. Such a man will not be caught overstocked in a tumbling market,

The average value of the milch cows of the Dominion was \$61 in 1916, as against \$57 in the previous year. A total value of \$184,224,000 was given to the country's cows last year, an increase of ten and a half million over 1914.

Educa Advant

May 11, 1

ONSOL was a lof the sociation, he week ending speaker on Richard Lee whose artic Farm and I age in the by Mr. Lees (1) Grea both in enro (2) The present of the

community school. This there are there are in present. He Ontario have ren attending then ten.
(3) The opossess all t low from the classes, prop qualified team

as agricultur-manual traini (4) The pu like the child eges of a his away from ho (5) The se stitution of in loyalty and p (6) Teache

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main at school County Schoo Dealing with that this was a The responsi in any county on too many she We have carrie ridiculous farce cases are ought to be stre County Board of elected by the p as the present make progress m tural corollary to form county rate. Consolidation

supported by

Educational Authorities Favor Consolidation

Advantages of the System Emphasized Before the Ontario Educational

ONSOLIDATION of rural schools Editor of The Canadian Teacher, who was a live topic at the convention referred to the progress that had been of the Ontario Educational Assumade is the progress that had been sociation, held in Toronto during the Whenever the Manitobia work anding April 39. The principal en a fair risal suitation had success, said a principal support of the subject was imaporter for, Parkinson, when as success, said Richard Less, 68.4A, of Peterboro, of progress in the matter so the fact the subject was inspected for progress in the matter and consolidation in in Ontario and the older provinces.

Recard Lees, sta.4, of Peterboro, of progress in the matter so evident whose articles on Consolidation in in Ontario and the older provinces. When the colder provinces.

Shelter Belts in Iowa by 2ff. Lees as follows:

(1) Greatly increased attendance, belt as comment and in the percent of the spirit of cooperation and commenty interest through the school. This is no through the care only a free greather where there are only a free greather where there are only a free greather and the care are many properly according to the control of the point of the control of the control of the colder provinces.

Shelter Belts in Iowa by "Schooltzacher," York Co., Ont. Lee, The colder provinces.

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By "Schooltzacher," York Co., Ont. Lee, The colder provinces.

By "Schooltzacher," York Co., Ont.

then ten.

(3) The country school comes to possess all the advantages that follow from the establishment of graded classes, properly equipped imboratories, and the teaching, under properly qualified teachers, of such subjects as agriculture, domestic science and manual training

(4) The pupils of the county have, like the children in town, he privileges of a high school without going

The school comes to be an institution of importance, appeals to the loyalty and pride of the people and becomes a centre for the activities of

the community.

(6) Teachers cease to be isolated units and are brought together in groups where mutual help and cooperation are possible, thus making it easier to secure and retain the aery-lices of better teachers under more formable conditions.

solidation, and condemned "the system that untils so much waste in education." He claimed that Carloin schools waste in except the carloin schools would make possible as chool with five acres of land around it and a comfortable reasonable acround school with five acres of land around it and a comfortable reasonable a school with five acres of land around it and a comfortable reasonable a school with would make possible a school with would be a source of sweetness and light for the whole community. A really good library would be possible. Liberature, alstory and elementary sciences, these subjects which have a settisfying content for adolescent boys and girls, could be a possible as chool as long as possible.

could be so presented that the childrea would think it worth while to remain at school as long as possible.

County School Board Sugnested.

Dealing with the multiplicity of
school subtroffice, 6fr. Futam and
that this was a destriment to the in
provement of rural schools.

The responsibility for the schools
in any county in Ontario is resting
on too many shoutders," he continued,
We have carried local countrol to a
ridiculous farce in some cases, and in
other cases are stiffing it where it
ought to be strengthened." To offeet
this Mr. Putam suggressed that a
County Board of five men and women
detected by the people or appointed by
the County Council to menage
schools would be just as democratic
as the present system and would
make progress much easiers. The natural corollary to this would be a uniform county rate.

Concolidation was also strongly
removed by Sathsew Parkinson,
responsed by Sathsew Parkinson,
responsed to the county of the county
forcet once flourished in each promoment of the county of the county
form county rate.

When the county was first settled it was open pealite with not a tree to be seen a first was not because trees would not grow thore, but from some natural reason that nobody there exemned to understand. The district is naturally a windy one, and the first natural trees and the set of districts of the eastern states, feture them to begin planting shelter belts them to begin planting shelter belts mount that the state of the safe of the and to provide shade during the warm-arm mouths. The elimate is naturally warm and molet, so that the trees that country! It looks like a park. The land is perfectly level and free from trees, accept in the immediata-riculty of the buildings. Looking across the country, not a building can be seen, but on each farm will be be seen, but on each farm will be be seen, but on each farm will be seen a group of trees from 40 to 60 easier to secure and retain the serve the secure and retain the serve tees of better teachers where smore favorable conditions.

School a Community Centre.

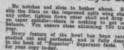
J. K. Futnam, Inspector of schools at Ottawa, strongly championed consolidation, and condemned "the system that entails so much waste in adu.

Not only do the jews and the secure of spot. Not only do the trees serve for shelter, but they are now being drawn

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Average first year depreciation of the Ford car is •\$125 as against \$250 to \$400 for practically any of the lower priced cars

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Compare the Ford depreciation cost of about \$10 a month with the probable \$30 or more a month that the other kind will cost you. Which is the better investment?



FORD, ONTARIO

dark eyes watching him closely. As he greated the half-breed, Philip look-ed for Josephine. "I am alone, M'sieur," said Jean, coming close to Philip. "I tricked her

phine has come to trust you as she

"Why is it?" he persisted.
"God only knows," exclaimed Philip,
the significance of the question burstling upon him for the first time. "I
hadn't thought of it, Jean. Everything

in the North. I have been there. I have been there. I know that it breeds

men. And our Josephine knows. I could swear that there is not one man in a million she would trust as she has

put faith in you. Into your hands she has given nerself, and what you do means for her life or death. And for

neither threat nor excitement in his

The fires in his eyes were nearer

May 11, 19



TO appreciate the noble is a gain which can never be torn from us.

God's Country and the Woman

(Continued from last week.)

he returned the hall-breed's greeting his, eyes looked for a moment over the other's shoulder and rested on Josephine. He was astonished at the change in her. Evidently Jean had sot brought her bad news. She held the pages of 'an open letter in her had held the pages of an open letter in her had held the had held the mith a gladness she smiled at him with a gladness which he had not seen in her face behalf he had not seen in her face before. She came forward quickly, and he returned the half-breed's greeting his fore. She came forward quickly, and placed a hand on his arm.

"Jean's coming was a surprise," she explained. "I did not expect him for a number of days, and I dreaded what he might have to tell me. But this letter has brought me fresh cause for thankfulness, though it may enslave you a little longer to your vows of knighthood. We start for home this

knighthood. We start for home this afternoon. Are you ready?"
"I have a little packing to do," he sald, looking after Jean, who was mov-ing towards the tent. "Twenty-seven prunes and ___"
"Me," laughed Josephine. "Is it not

necessary that you make room in your

Philip's face flushed with pleasure.
"Of course it is," he cried. "Everything has seemed so wonderfully unreal to me that for a moment I forgot that you were my—my wife. But how about Jean? He called me M'sieur Weyman."

"He is the one other person in the world who knows what you and I know." she explained. "That, too, was know," she explained. "That too, was necessary. Will you go and arrange your canoe now? Jean will bring down my things and exchange them for some of your dunnage." She left him to run into this tent, respiparing sulckly with a thick rabbit-skin blan-ker and two canoes, pillows.

These make my nest-when I'm not "These make my nest—when I'm not working," she said, throsting them into Philip's arms. "I have a paddle, too. Jean says that I am as good as an indian woman with it."
"Better, Me'sleur," exclaimed Jean, who had come out of the tent. "It

makes you work harder to see her. She is—what you call it—gwan-auch-ewin—so splendid! Out of the Cree You cannot speak it."

A tender glow filled Josephine's

eyes as Jean began pulling up the pegs of the tent.

pegs of the tent.
"A little later I will tell you about Jean," she whispered. "But now, go to your cance. We will follow you in a few minutes."

He left her, knowing that she had other things to say to Jean which she did not wish him to hear. As he turn-ed toward the coulee he noticed that she still held the open letter in her hand. There was not much for him, to do when he reached his canoe. He threw out his sleeping bag and tent, and arranged Josephine's robe and pillows so that she would sit facing

HE two men gripped hands. There him. The knowledge that she was to was something about Jean that inspired Philip's confidence, and as a pact which would make her his conreturned the half-breef's greeting his stant companion, filled him with jorcel locked for a moment over the her's shoulder and rested on Joseher's shoulder and rested on Josehine. He was satisfied at the mysterious association might least, how the property who had to which she had foredoomed it. With the spirit of the adventurer who had the spirit of the adventurer who had more than once faced death with a smile, he did not believe in burning bridges ahead of him. He loved Josephine. To him this love had come as it had come to Tristan and Isolde, to

the surface now.
"What?" asked Philip tensely. "Death-unless you play your part as a man," answered Jean. There was

A Comfortable and Attractive Home in New Ontario.

Paola and Francesca-sudden and ir- voice, but in his eyes was the thing Paola and Francesca square resistible, but, unlike theirs, as pure as the air of the world which he as the air of the world which he breathed. That he knew nothing of breathed. Inat he knew nothing of her, that she had not even revealed her full name to him, did not affect the depth or sincerity of his emotion. Nor had her frank avowal that he could expect no reward destroyed his hope. The one big thought that ran through his brain now, as he arranged through his brain now, as he arranged the canoe, was that there was room for hope, and that she had been free to accept the words he had spoken to her without dishonor to herself, if she belonged to some other man she her without disnoner to dersell, is she belonged to some other man she would not have asked him to play the part of a husband. Her freedom and his right to fight for her was the one consuming fact of significance to him just now. Beside that all others were trivial and unimportant, and every drop of blood in his veins was stirred

by a strange exultation.

He found himself whistling again as he refolded his blankets and straightened out his tent. When he had fin-ished this last task he turned to find Jean standing close behind him, his voice, but in his eyes was the thing that Philip understood. Silently he reached out and gripped the half-breed's hand. For an instant they stood, their faces close, looking into each other's eyes. And as men see men where the fires of the earth burn low, so they read each other's souls, and their fingers tightened in a clasp of understanding.

"What that part is to be I cannot guess," said Philip, then. "But I will play it, and it is not fear that will hold me to my promise to her. If I fail, why—kill me!"

"Thee is the North," breathed Jean, and in his voice was the thankfulness of prayer.

of prayer.
Without another word he stopped and picked up the tent and blankets. Phillip was about to stop him, to speak turther with him, when he saw Josephine climbing over the philwark crock-between them and the trail. He relied to meet her. Her arms were turlied to meet her. Her arms were tull, and she allowed him to take a part the road. With what Jean had brought this was all that was to go in Philip's

As cance, and the half-breed remained to help them off.

"You will go straight across the ean, lake," he said to Philip. "If you her paddle slowly, I will catch up with

into staying behind until I could see you for a moment as we are, alone, man to man. Why it is that our Jose Philip seated himself near the Philip seated nimself near the stem, facing Josephine, and Jean gave the canoe a shove that sent it skimming like a swallow on the smooth surface His voice was low—it was almost soft as a woman's, but deep in his cyes Philip saw the glow of a strange, slumbering fire.

"Why is it?" he persisted. of the lake. For a moment Philip 414 not dip his paddle. He looked at the not dip his paddle. He looked at an irir when he had bent over in pretence of seeing that all was right, the sun melting away into rich colors in the riche colors of her hair. There filled him an over-whelming desire to reach over and touch the shining braids, to feet her hairly of the him and over-whelming desire to reach over and touch the shining braids, to feet her hairly of their warmath, and we want to the shining braids, to feet her hairly of their warmath, and we want to have the shining braids. hadn't thought of it, fean. Everything has happened so quickly, so strangely, that there are many things I haven't thought of. It must be because—she thinks I'm a man!?
"That it is M'seur," replied Jean, as quietly as before. "That, and because you have come from two years cause you have come from two years thrill of their warmth and sweetness and something of this desire was in his face when she looked up at him a look of gentle thankfulness a little by anxiety in her eyes. He had not noticed fully how wonderfully had not noticed fully now wonderfully blue her eyes, were until now, and soft and tender they were when free of the excitement of fear and mental strain. They were more than were like the wild wood violets, flecked with those same little brown spots when had made him think sometimes that the flowers were full of laughter. There

the flowers were full of laughter. There was something of whitfulness, of thought for him in here were now, and in pure joy he hunghed.

"Why do you laugh?" she asked.

"Because I am happy, he replied, and sent the canoe shead with a first deep stroke. "I have never been hap pier in my life. I did not know that it was possible to feel as I do."

pler in my life. I did not know take it was possible to feel as I do."
"And I am just beginning to feel my "And I am just beginning to feel my she said. "You have thought only of me. You are making a wenderful sacrifice for me. You have nothing to gain, nothing to expect but the things that make me shudder. And have thought of myself alone, sel

ishly, unreasonably. It is not fair, and yet this is the only way that it can be. "I am satisfied," he said. "I have nothing much to sacrifice, except my

She leaned forward, with her chin is the oup of her hands, and looked at him steadily.
"You have people?"

"None who cares for me. My mother was the last. She died before I came "And you have no sisters-or broth-

"None living."

For a moment she was silent. Then she said gently, looking into his eyes: "I wish I had known—that I had guessed—before I let you come that far. I am sorry now—sorry that I didn't send you away. You are differdidn't send you away. You are different from other men I have known—and you have had your suffering And now—I must hurt you again. It wouldn't be so bad if you didn't care for me. I don't want to hurt you—be cause—I believe in you."

"And is that all-because you believe

She did not answer. Her hands clasped at her breast, she looked be yond him to the shore they were leave

"You must leave me," she said then, and her voice was as lifeless as his had been. "I am beginning to see now. It all happened so suddenly that I could not think. But if yea love me you must not go on. It is impossible. I would rather suffer so own fate than have you do that. When we reach the other shore you must leave me."

She was struggling to keep back her emotion, fighting to hold it within her own breast.

"You must go back," she repeated, staring into his set face. "If yes don't, you will be hurt terribly, tenribly!"

(Continued next week.)

Travel

66T THE L hand, se Is there s life that see whelm us? done that se strength to fault that, by are not stron there a dres ture from

chrinks?

All fear, e

one, know th

have to face her hand inte her father, so in our Heave without a fea While in Al was a strange tinuous noise made it very ere loading ship from the up on the h freight was ra

this height, th

into the hold. most foreibly

the deck was of a crank in

was raising an

erous loads.

So ours is n and strain an cause all the n Universe is Go these upon us, necessary street bear and endur And though th

be weak To bear an u But only com

Are We T With the F

661 VE worked ing, John. old bureaus in that a nice star

John did look right dear," he "I've been wish that you would rubbish away. "John S-, wh you think for or

sider the things bish? Why I ha Why I ha up for years! T heaps of things that while I don will use them, t come in useful so How many of guilty" of the off woman is charge us have a tendent which we cannot of, making oursel economical s

"they may be use spring and fall so articles of appare difficulty in findir to put them. Wor

The Upward Look

Travel Thoughts-No. 31

THE Lord will hold 'hy right hand, saying unto thee, Fear not:
I will help thee."—Isa. xvi. 13.

Is there some great sorrow in our life that seems at dimes must over-whem us? Is there some task to be done that seems too hard for human done that seems too hard for human feel that be out on the seems too hard for human feel that he was to be seen too hard for human are not strong enough to manter! In there a dread foreboding of the future from which the whole being shrinks?

All fear, shrinking, dread, are not for those who strong, brave, courage-ons, know that never alone do they have to face these. Just as a little child trustfully and fearlessly puts her hand into the big strong one of her father, so we must put our trust in our Heavenly Father, and go on

without a fear.
While in Alaska I had a wonderful fluorration of this. One night there was a strange, loud, and almost continuous noise on shipboard, which made it very difficult to sleep. On investigation we found that they were loading the freight on to the ship from the Skagway wharf. Way up on the hurricane deck was arranged the apparatus by which heavy freight was raised from the wharf to this height, then lowered away down most forcibly was that one man on the deck was directing, and by a turn of a crask in that great machinery.

erous loads.

So ours is never alone the burden and strein and anxiety-bearing, because all the might and power of the Universe is God's, and as He has laid these upon us, so He will give us the necessary strength and courage to bear and endure. As Whittier says:

was raising and lowering those pond-

And though the heart and strength be weak

To bear an untried pain,
The bruised reed He will not break,
But only comfort and sustain.
L.H.N.

Are We Too Economical?

661 VE worked so hard this morning, John. Actually, I cleaned out every drawer in those two old bureaus in the storeroum. lan't that a nice start towards housecleaning?"

ing?"
John did took appreciative. "That's
right dear," he responded heartily,
"I've been wishing for a long time
that you would throw all that old
rubbish away. Did you burn kt?"
John S-, what do you mean? Do
you think for one minute that I con-

"John S-, what do you mean? Do you think for one minute that I consider the things in those bureans rubbies? Why I have been saving them up for years! That's just like a man for all the world! There's heaps and heaps of things in those old bureaus, that while I don't know just how I will use them, they will be sure to come in useful some day."

How many of us can plead "Not gruity" of the offense with which this woman is charged? The majority of us have a tendency to hoard up things which we cannot at present make use of, making ourselves believe that we are economical and thrifty, because "they may be useful some day." We spend a considerable amount of time spring and fall sorting over these old articles of apparel, and probably have difficulty in finding a piace is which to put them. Would is not be a much

better glan to resolve to give away the articles which are still good, but a service of fashion, to the needy account of the service of fashion, to the needy people, who there are always need the clothing for which must be a service of the servic

constonally that is still as good as new, providing we are sure it is going to some the sure it is going to such that the sure it is going to such that the sure is the sure i

HOME CLUB

Trying Out Artistic Skill

OW, brightly the sun shines and how it reveals the lingering flecks of dust. Sakespeare said: "In the apring, a young man's fancy lightly turns to thoughts of love." Be that as it may, I well know that in the spring a woman's fancy always turns to cleaning house.

Draperies of various kinds form a problem for the housekeeper, especially where means are limited. I have found a stendiling outfit a great help be obviour his troublesome problems to evine; this troublesome problems and color manual color and the color of the problems of the color of the c

Materials for stencilling, paints, Materials for stencilling, paints, brushes and stencilline, may be purchased for a small sum. The stencil patterns are rather more expensive. If you care, however, to the your own designs, you may do so by drawing or tracting the desired pattern on a piece of thin cardboard, and cutting



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it out with a sharp penknife. This card should be coated with shelles so that it may be cleaned.

The actual work of st imple. The material to of stencilling to simple. The material to be painted is stretched over a sheet of blotting paper, which absorbs superfluous moisture. The steneil pattern is then securely tacked over the material with thumb. thumb tacks. The paint should be squeezed from the tube and thinned to a creamy consistency with stencil-ine. Care must be taken not to get the the. Care must be taken not to get the paint too thin or it will run. A wise plan is to try it on an old cloth to test both color and consistency.

The paint is applied with a stiff brush, care being taken to rub the colors well into the fabric. It is necessary when changing the poettion of the pattern, to remove the stencil carefully from the goods, leat a bit of paint on the edges emear the work. Before re-placing the stencil, it should be cleaned with turpentine. Brushes, too, must be carefully cleaned when changing colors. When the pattern is completed, the work should be al-lowed to stand an hour or so to dry. After this, lay over it a piece of brown sary when changing the position of th After this, lay over it a piece of brown paper and press with a mode

The paints may be bought in desired colors, or mixed by the worker as desired. The same rules for com-binations of colors are used as in ordinary art work. Almost all maordinary art work. Almost all ma-terials lend themselves to this work, and one can produce, with small labor, an artistic pattern in absolutely fast

I do not hold an agency for selling stenciling materials, but I am quite interested in the work, and if any Home Club members try out the idea this spring, I wish them the very best of success,—"Aunt Harriet."

The Phoebes

MONG the early spring arrivals to their northern homes none is more welcome than the phoebe. The common phoebe breeds through-out the United States east of the Great Plains, and winters from the South Atlantic and Gulf States south-South Atlantic and Gulf States south-ward. Its western relative, the black phoche is found from Texas west to the Pacific coast, which it occupies as far sorth as Washington, replacing through most of this region the com-mon or eastern form.

Though naturally building its nest

under an overhanging cliff of rock or under an overhanging cliff of rock or earth, or in the mouth of a cave, the earth, or in the mouth of a cave, the 'seference of the eastern species for 'reference of the buildings is so man.'... that in the more thickly set-tled parts of the country the bird is tled parts of the country the bird is tied parts of the country the bird is seldom seen at any great distance from a farmhouse, except where a bridge spanning a stream affords a secure spot for a rest. Its coinding disposition renders it a great favorite, and consequently it is seldom distrib-

sively upon insects, most of which are caught upon the wing. An examina-tion of 370 stomachs showed that over 69 per cent, of the year's food con-alsts of insects and spiders, while wild alsts of insects and apiders, while wild fruit constitutes the remainder. The insects belong chiefly to nontense appears ies, and include many client and the May beetles, and weevin. Other beetles, belonging to 21 smilles that were identified, make up 10,65 per cent. They appear to be eaten very regularly in every month, but the most are taken in spring and early most are taken in spring and early most are taken in spring and early summer. May is the month of maxi-mum consumption, with 20.43 per cent. Beeties altogether amount to 15.3 per cent, which places them sec-ond in rank of the items of animal

In the phoebe's diet hymenopterous insects stand at the head, as in the case with most of the flycatchers. They are eaten with great regularity

and are the largest item in nearly every month. No honeybees were identified. In their season grasshop-pers are much reliahed, while wasps of various forms, many flies of species that annoy cattle, and a few bugs and apiders are also eaten regularly. It is evident that a pair of phoebes must materially reduce the number of in-sects near a garden or field, as the birds often, if not always, raise two broods a year, and each brood num-bers from four to six young.

There is hardly a more useful spec-ies about the farm than the phoebe, les about the farm than the phococ, and it should receive overy encourage ment. To furnish nesting boxes is helpful, but not necessary, as it usual-



open situation, like a shed or a nook under the eaves, but it should be protected from cats and

A Room that is Valued Highly Mrs. F. M. McCann, Oxford Co., Ont.

I F there was any way of finding out, I would just like to know how many readers of this department of Farm and Dairy have a sewing room in their home. You know, a sewing room is quite the common thing in city houses nowadays, but I have city houses nowadays, but I have seen very few in the country. More often we find the sewing machine in often we find the sewing machine in a corner of the kitchen, on which is piled the week's mending, probably some loose sewing that the housewife has on hand, and quite often this machine is a convenient catchall for many articles and parcels that accumulate during the week.

It seems to me that on the farm above all places, a sewing room is one of the necessities of the home. I have proved this out to my own sat-isfaction too, as we now have a room in our house specially designated as the sewing room. In it we have our machine, a conveniently we have our machine, a conveniently to hook and two or three chairs. While this room is intended primarilysfor sew-ing, it also makes a good den cy reading room. The floor is covered with linoleum as it is so much easier to keep clean than a-carpet when one have proved this out to my own satto keep clean than a-carpet when one is sewing.

Our sewing room is down stairs and is all the more convenient on this account. Our house is rather this account of a room that had been formerly used as a bedroom. I would advise all country sisters who are planning to have a sewing room, to have it downstairs if possible as climbing stairs is rather tresome. If it were impossible to have rather tresome. If it were impossible to have such a room on the ground floor, however, I certainly would have one upstairs in preference to none at all. One of the biggest advantages that I see impossible to the property of the property work at a moment's notice if dut calls me elsewhere and then when have an opportunity to sew again, I can immediately pick up the garment and commence with

After fowl of any kind is cleaned the inside should be rubbed thoroughly with a piece of lemon before the dressing is put in,



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thought about the large, were given to describe the and should the term with "which Described Thought and and should be an extended the state of the large throught the large through the large throught th

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Co IN outlining a assume a cer main living room the color s the light.

In house No. 6 as it would be in still bring an ab into the living ro case we will be walls; a fawn grey is a quiet, renever obtrude its tion, and makes a other shades. this room should ish or silver grey, green, black and

All of which m of a very quiet which may easily esting, if it is not

require much enlive les, so a very gay cl lected for the ove geous pattern in wh: any, white roses w are splashed over a example. There is a matter of fact, thoug a wild dream, and it did with grey. It n undertaking this col she is prepared t result will be hope In addition to the c lous materials cushions in plain o

and mahogany red. The furniture for be dark mission, wh bought quite reasons chintz covered cushibig easy chairs. big easy chairs. A bronze colored bowl orange shade, and ored bowl on the galety to the room ers of the house ar ing, a bookcase, ful their gay bindings prosperous dish of b the charm of this cold

Grouping the Now a word as to of the furniture. A s tion of the various pi ly decided by the doors and windows, usually room for only a large room can loo late indeed if the furr

(17)

Color Scheme for Living Room

Noutlining a scheme of decoration one is used, against the kitchen wall, for most houses it is necessary to and the diaing cable between it and assume a certain exposure for the the front door, with the diaing chairs main living room in order to decide grouped about it. A centre place of the color scheme in relation to the light.

In house No. 6 this is not necessary, as it would be impossible to face this house in a direction which would not still bring an abundance of sunlight still bring an abundance of smilight into the living room. This being the case we will be safe in choosing a cool, rather sombire color for the walls; a fawn grey would be good, grey is a quiet, restrui color that will never obtrude itself upon the attention, and makes a perfect background. for other shades. The woodwork in this room should be either black flemish or silver grey, with a carpet cover-ing the whole floor in which grey, green, black and orange are blended.

All of which makes the barebones of a very quiet and dignified room, which may easily be dull and uninteresting, if it is not wisely handled. Being very severe and colorless it will

grouped about it. A centre piece of grey crash with flowers cut from the chintz appliqued onto it would be pretty to use on this table between pretty to use on this table between meals. The other end of the room affords space for two groups. The ahords space for two groups. The first would be made up of a couch in the corner facing the fireplace, with a comfortably large table beside it supa commorany large table beside it sup-porting a reading lamp and a few books. The second group would be composed of the book cases placed be-tween the windows and the stairway, and two or three easy chairs before the fireplace.

The Correct Pictures.

For a grey room there is nothing more pleasing than good blank and white prints framed with plain black wood frames. Large, beautiful prints, reproductions of famous painting, can be procured from The Perry Picture Co., at the small cost of seventy-five cents each. Their address is Mainting the production of the production of the prints of the prints



Designs for Fire Places.

require much enlivening with draper-les, so a very gay chintz should be see it would be well to place the buffet, if elected for the over-curtains, a gor-geous pattern in which orange, mahor-geous pattern in which orange, mahorgeous pattern in which orange, malog-any, white roses with green foliage are splashed over a black ground, for example. There is such a chintz, as a matter of fact, thought timay sound like a wild dream, and it looks very splem-dld with grey. It may be as well to pause here to warn the reader against undertaking this color scheme unless she is prepared to use some very she is prepared to use some very bright and cheerful draperies, or the result will be hopelessly depressing. In addition to the curtains the couch might well be covered with the same frivolous materials and heaped with cushions in plain orange and green and mahogany red.

The furniture for this room should The furniture for this room should be dark mission, which can often be bought quite reasonably now, with a chintz covered cushion or two in the big easy chairs. A lamp with a bronze colored bowl and a bright orange shade, and an orange colored bowl on the mantel will add callet to the room. If the own. ored bowl on the mantel will add galety to the room. If the own-ers of the house are fond of read-ng, a bookcase, full of books, with their gay bindings showing, and a prosperous dish of buths or a geran-ium is full bloom will greatly increase the charm of this color scheme.

Grouping the Furniture.

Grouping the Furniture.

Now a word as to the arrangement of the furniture. A small room offers as problem of this kind, as the position of the various pieces is practication of the various pieces is practically decided by the arrangement of deers and windows, and there is usually room for only one group, but a large room can look very disconsolate indeed if the furniture is not prolate indeed if the furniture is not pro-

glad to send anyone their catalogue.

and to send anyone their catalogue. And speaking of the freplace, it may be built of red brick, with black mortar, or of grey stone; but, however it is built the mantel should be every simple and dignified. There is no place in the house of food taste for the mantel all fursed up with tiny cupboards and gimeracks.

As a small house is made to seem iarger by the use of one color for all the rooms on one floor, and an economy is erected in the beautiful the room on the color and the room in this house should have the same grey walls, and black or grey woodwork, with white serim or not curtains and gay flowering plants in the windows. Upstairs the walls throughout should be painted a deep cream with vipory woodwork and As a small house is made to seem throughout should be painted a deep cream with ivory woodword and mahogany or painted furniture. Fur-manogany or painted furniture. Fur-would be pretty in one of these would be pretty in one of these white in the third, and as the house-wife can do this horself, the rooms can be furnished quite inexpensively.

Several makers of flat wall finishes have had clever artists design beautiful rooms for them in colors, and in these they show the whole color scheme worked out with the most perfect taste. If your local dealer has one of these portfoliosand he should have one—he will be glad to let you look through it for suggestions in the decorating of your home. The outstanding feature of these rooms is the quiet simplicity of the properties. beautiful rooms for them in colors, practically every one and the freedom



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The service will be four cars week-

ly, as follows:

(I) From Windsor, iced car every Tuesday on "Way-Freight Extra." This car will leave London by "Way-Freight Extra" Wednesday am., and Toronto by No. 910 Thursday night. Toronto by No. 210 Thursday night. Shipments from intermediate main line stations west of Toronto will be loaded in this car. Shopmen will be loaded in this car. Shopmen will be read to the state of t

car from Windsor.

(2) From Goderich (service from which commences May 31) iced car every Wednesday on "Way-Freight Extra."

Shipments from Listowel Subdivi-sion should be way-freighted to Lin-wood Junction for transhipment to leed car from Goderich.

iced car from Goderich.

(3) From Owen Sound iced car
every Wednesday on "Way-Freight
Extra" for West Toronto, to be transfored at Toronto, whenever possible,
to car from Windsor. Shigmente
from Walkerton Subdivision Iced car
every Tuesday on "Way-Freight Ex-

to be consolidated at Owen

Shipments from Muskoka Subdivision should be way-freighted to Toronto for transhipment.

ronto for transcripment.

(4) From Teeswater, teed car every
Wednesday on "Way-Freight Extra"
running via Orangeville and Streets
ville Junction for connection at Toronto, whenever from Windsor. whenever possible with car

from Windsor.

Tom Windsor.

Time to all: of transfer about fall to arrive in the constitution of transfer of butter in the constitution of the consolidated, and soot east from Toronto in Street trong from through freight train.

Current least han-earload farity rates will apply without any charge for leing. This sprtie will be operated for the transprigition of butter abdresses only. Cheese and other abry around the constitution of the const

Cow Pox

COW have pox, and would like to know what can be done to got rid of the work have what can be considered by the same what have been and break, leaving a least blate and break, leaving a least blate of the land of milkers or other ways, of the hands of milkers or other ways, of the hands of milkers or other ways. Get an cilitment made of four draws feet an cilitment made of four draws beracle acid, twenty drops carboite breache and washing. Dress three washing washing. Dress three boracic acid, twenty di acid, two oz. vaseline. times daily until cured.

Victim of the Habit

Victim of the Habit

AVE over that does appear to be perfectly healthy. The factor of the constitution of the constitution of the course standing out each side of her perfectly consisted of emillary, out structure of the course standing out each side of the course of

May 11, 191

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Toronto Cr

Cure Y of Cak

Egyptia 8 APPLICATE For Sale Douglas &

Dairymen CREAM

GEO. 719 Yonge

SHIP BUTTE WILLIAM DA Established 1854.

DYER . Get his spe Fence a

DYER, "THE

47E East Wellingt "HOMESEEKERS VIA "GREAT EAGH WI

Homeseeker Canadian Pacific, sire, take advant Lakes Trip."

The Steamship which Homeseeks honored, on payn tional to cover me from Owen Soun during season na Sault Ste, Marie, Fort William, com point for Winniper

The "All Rail" E sions are in effect October 31st inclu Particulars from Teket Agents or triet Passenger As

Cream Wanted

We have been in the Creamery business twenty years. Our service to farmers is the very to supply cans, both small and large, and do all that any other reliable firm can do-and then

Drop a line for particulars to the

Toronto Creamery Co. Limited Toronto

Cure Your Cows of Caked Udders

Egyptian Liniment 8 APPLICATIONS GUARANTEED

For Sale Everywhere. Douglas & Co., Mfs. Manuaco

Dairymen Attention CREAM WANTED Testing 32 per cent, from certified dairy herd.

GEO. COLES Ltd., 719 Yonge St. Toronto

SHIP YOUR BUTTER & EGGS

to us. We are not com-mission merchant. We pay net prices and remit THE DAVIES COMPANY Established 1854. TORONTO, ONT.

DYER at it again Get his special prices on Fence and Gates

DYER, "THE FENCE MAN"

EAGH WEDNESDAY.

Homeseeker Excursions, via Canadian Pacific, may, if they so de-sire, take advantage of the "Great Lakes Trip."

Lakes Trip."

The Steamship "Manitoba" on which Homeseckers' tickeis will be honored, on payment of \$9.00 additional too over meaks and berth, sails from Owen Sound each Wednesday during season navigation, calling at Sault Ste. Marie, Port Arthur, and Fort William, connecting at the latter point for Winnipeg and Western Canada,

The "All Rail" Homeseekers' Ex sions are in effect each Tuesday until October 31st inclusive.

Particulars from Canadian Pacific feket Agents or W. B. Howard, Dis-tict Passenger Agent, Toronto.

habit, and the only means we know of checking it is to tie her so that she cannot reach them.

Parturition Troubles

** A HIBITST very nearly died in ealyare he he had been making halfhe. She had been making halfhe she had been making halfare to decided adtempts for several hours,
as of decided adtempts for several hours,
as of decided and half
half
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should it be dones—J. Y., H.C.
You do not understand the matter,
You state that the water bag was intact after the calf was born and later
on state that she expelled the afterbirth during the night. What is
called the "water bag" he a portion of
the attrebirth, which is a complete
one reclosing the foctus. Hence the
one reclosing the foctus. Hence the
one possible way in which birth can
be a complete the property of the
"water bag" is whost rupture of the
"water bag" is whost rupture of the
"water bag" is whost rupture. water bag" is when the atterbirth as expelled with the foetus and thor-oughly enclosing it. This occasion-ally occurs in marce, but we have never known it in cows. It certainly was the water bag that burst and the fluid was what is called "ammiotic fluid." The decomposed matter that vas what is called "amniotic The decomposed matter that fluid." The decomposed matter that you mention was portions of the afterbirth that were retained, in such cases distinction is good practice. It consists - in introducing a warm distinction the womb by an injection pump, a syringe with a long nozale, or rubber tube and fundal.

Holding Up Milk

Tolding Up Milk

AN you toll me why cowe that are given good care and not roughly handled heafers, as soon as they freshen, commorce giving down only part of their more giving down only given and hade back their milk until they dry and hade back their milk until they dry and had back their milk until they dry care to see an only your and we will have the cause and a remedy—E. C. W., spefford Co. Que.

Cowe cannot voluntarily hold their milk. The muscles that control this are not voluntary ones, hence not under control of the will. The contition is due to fear or nervousness. Kind treatment and attracting the attention of the animal during milking is all that can be done. This can be done as you suggest, viz, by giving the helfer or cow something to eat during milking. Some claim that plasing a sack of warm sait over the loits has the desired effect. Avoid zeltement of any kind, speak gently and handle gently, and the trouble should cease. Cows cannot voluntarily hold their

Ringworm

47E Last Wellingten St. Teronte, Ont.

48 HAYE a two-year-old halfer that half half halfer that half halfer that halfer some and large as the state of the state

The symptoms indicate ringworm. which is very contagious. Isolate the heifer and be careful not to carry the infection (which is a vegetable para-site) on hands, clothes or other ways, to healthy stock. Moisten the scales with sweet oil, remove them, and then dress twice daily, until cured, with tincture of iodine.

Milk of an Aborted Cow

44 HAVE a two-year-old heifer that look her calf about one month ago. Her deder was an painful that I had then deder was an painful that I had the nulk to the look. I have been giving her milk to the look. I have been giving her will to the look. The look of the look. The look of t

The abortion had no injurious effect upon the milk.

Feed the Young Foal By C. S. Anderson

RE you giving that young foal the proper care? To become A RE you giving that young to the proper care? To become a strong, sound horse when matured the foal must be well nourished and given every advantage pos-

ished and given every advantage possible.

At this time of the year mares sible and colts are allowed to spend at least a part of the time in the passance colts are allowed to spend at least a part of the time in the passance. The foal should be taught to eat grain very early. By placing the feed box from which the dam eats her grain low, the foal, at about two months of age, will begin nibbling with the mother and will soon accurate a toster for the grain.

The feed made high ended to keep the mare out and allow the keep the mare out and allow the foal grain with very little difficulty. Allow the mare in the enclosure with the foal grain with very little difficulty. Allow the mare in the enclosure with the foal for a few times, and it will soon learn to go in itself. Keep a liberal supply of grain, preferably asts and bran, and perhaps some cracked corn, in the feed box. To induce the dam to loiter about with the allowed the foal will have become thoroughly accussomed to eather the sold of the sold

ing grain and will wean very easily, besides being in better condition as a result of this additional feed.

Try this plan this year and you will be surprised to find a sleek, fat, well-grown colt at weaning time.



HOMESEEKERS EXCURSIONS TO THE LAND OF WHEAT.

Homeseekers excursions to Western Canada at low fares via Canadian Pacific, each Tuesday, March 7th to October 21st inclusive. Particulars from any Canedian Pacific Agent, or W. B. Howard, District Passenger Agent, Toronto.

They use Maxwell's Churns . in Denmark-

Fancy! Denmark—the great butter-producing country of the world—send all the way to Canada for Maxwell's Chural Also used in Australia, New Zealand and S. Africa. Convincing proof, this, of the excellence of these well-knews churan. Best of all is the—

axwell

"FAVORITE" CHURN (with Bow Lever)

Notice the adjustable handle on the bow lever. No other chura has this. Handle can be moved to centre or either sale, whichever is most con-venient for driving.

MAXWELL, Limited



You can buy the "Favorite" in eight sizes. Strongest and best made churn on the market, Easy to work. Gives splendid results. Ask your

and want

ST. MART'S, ONTARIO



MECHANICAL MILKER

Mt. Brown writess

"Having purchased one of your Empto Meshanded Mills."

Head that Lean strongly recommend both its efficiency of milling and the milling. Kever has Interest to the fact it to hand milling. Kever has Interest to the fact it to hand milling. Kever has Interest to the fact it to hand milling rows with one double not ended the trush. Lean milling rows with one double not end to the trush.

The families of the fact it is to be the strongly of the milling problem well."

The families Mechanical Millies is helping hum. Interest the fact is the families of you have the interest of the families of the fami Ikeep

about the EMPIRE

The Empire Cream Separator Co.

sal Toronto Winniped

TORONTO, May 8.—The late seeding this spring would ordinarily have a stimulating effect upon grain prizes, but with ocean freights higher than ever and inding effect upon grain peisses, but with ocean freights higher than ever and the grain rushing to the ecobourd, here but rew, aling are available for here but rew, aling are available for lacked unsettled by war rumon, the fundating effect is largedy offset. Including a second of the second of

(20)

ELAUCHLIN

COARSE GRAINS.

COAPSE GRANS.

Coarse grains were firm to marked holding the slight advances reported has week. The following are the cash quotation of the slight of the

SEEDS.

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DAIRY PRODUCE. DAINY PRODUCE.

Prices in Braishand for choses and butter are both very high, but the enormous
fer are both very high, but the enormous
fer are both very high, but the enormous
fer are considered and the cream
of the high prices. Small quanter and the high prices. Small quanter are considered and the small the same of the
ar 10st per cert
are 10s

LIVE STOCK.

The feature of the week's live stock market was that hogs again reached the \$12 ievet. The run of cattle was large and the quality good. Odd fine animals good to choice butchers and the good to choice butchers are good to choice butchers as \$15.9 to \$15.75, many going at the ortains price. Re-state of calves the contains price. Re-state of calves consumption was large. A count of to consumption was large. A count of to



WETTLAUFER BROS., LIMITED 178 P Spadina Avenue TORONTO, ONT.



Grain Grinders, Water Boxes, Steel Saw Frames, Pumps, Tanks, Etc. GOOLD, SHAPLEY & MUIR CO., LTD







HOMESEEKER'S FARES

TORONTO

CANADIAN NORTHERN



HOW MANY MILES

Are There in a Gallon of Gasoline?

That depends on the type of motor in your car.

When you buy a "McLaughlin" Six Cylinder Valve-in-Head

Motor Car you not only get the last word in comfort, style, power and speed, but we guarantee that you get an automobile which will give you the highest gasoline mileage.

It is an admitted fact that the McLaughlin "Valve-in-Head" Motor does give 15% more power than any other type of gasoline motor which means 15% more mileage per gallon of gasoline.

This is not a theory but a fixed engineering principle resulting from the perfecting of the "McLAUGHLIN" Valve-in-Head Motor.

Hundreds of users of "McLAUGHLIN" Valve-in-Head, 45 Horse-Power cars give evidence daily that they are getting 22 miles or more per gallon of gaso-line while touring with full passenger load and many users report over 26 miles per gallon.

Remember-cost of operation is a part of the cost of your car.

> With the price of gasoline going up, the proven economy of the "McLAUGHLIN" Valve-in-Head car should make it the preference.

> > Wette for free booklet "Farm Life and Freedom" Catalogue Free on Request.

MOTOR CAR 12 Branches Throughout Canada

May 11, 1916

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THR to be o Some

bologna bologna ers, 900 to 1,00 bulls mmon, ligh

The demand for the bulk of the of Choice brought \$75 \$60 to \$76; spring run of calves was going at \$8 to \$10; \$8; bob calves, \$2 Sheep and lambs ambs, cwt., brit pring lambs, each 9 to \$10.50; heav 5 \$9; cults, \$4 to Hogs weighed \$11.90 to \$12; fed |

AN AVONDALE S LAND ELLAND Con

All Aboard for Brockville, May 18-

Brockville Breeders 3rd Annual Holstein Sale 60 HEAD OF RICHLY BRED HOLSTEINS

Many with 100 lbs. blood behind them will be sold at A. Latham's Sale Stable, John St. Nearly all stock of milking age are officially tested. This is the district where big records are made. We have the foundation stock and best bred sires of the breed

Look at the Breeding FIVE DAUGHTERS and one son of King Urm

THREE SONS and two daughters of King Pon-

THREE SONS and two daughters of King Pon-tine Artis Canada, whose record as a sire appears to be one of the best in Canada.

A DAUGHTER of Prince Hongerveid Pictic, one of Canada's greatest school of Canada's Canada's THREE SONS of Canada's Canada Canada Canada Apple and Ratta Saida Kordyke Kardyke Rag A NUMBER OF TESTED cows in milk with big

Some very choice Young BULLS and



Look Up Their Records

King Urma-dan's record \$1.14 Bax in seven due of the sixters with an average of over the control of the sixters with an average of over the control of the c

WOODCREST SIR CLYDE is stamping his own image on all his calves. Just watch the records whom his helders begin to freshem.

In the state of the stat



G.A. GILROY Secretary Glen Buell, Ont.

35: boo carves, 52 50 57 each.

Sheep and lambs closed the week from, lambs, cwt., bringing \$10 to \$13.50; string kernbs, each, \$6.00 \$12; ewes, light, 30 to \$10.50; heavy nheep and bucks, \$8 to \$5; cults, \$4 to \$5.50.

Hogs weighed off oars are quoted \$11.90 to \$12; fed and watered, \$11.50 to \$11.6; country points, \$11.15 to \$11.25, f.o.b.; heavy and light, \$9e less; sows, \$2.50 less.

AN AVONDALE SIRE GOES TO WEL-LAND COUNTY.

LAND COUNTY.

| BLLAND County gained a young when Mr. C. Y. Reference grounds a consequence of these frameworks on one of these frameworks of the second of

calvae rold at \$1 cach. Quotations

DISPERSION SALE OF W. G. STEVENS.

100 Aug. 201 Aug. 201

__18 HOLSTEIN BULLS

Grandsons of "King Segis Pontiac," "Rag Apple Korndyke 8th," and others.

Dame have milked from 180-lbs. a day down. Aged from 18 months to a
few days. Write us to-day if you want buil.

R. M. HOLTBY

PORT PERRY, ONT.

Offers a few yearling Holstein helfers-Korhdyke breed. Will sell right for quick sale. Apply to ALBERT MITTLEFEHLDT, Port Davison Stn., T.H.B., Wellandport, Ont.

-AVONDALE HOLSTEIN BULLS-

EIX BULLS \$ 10 12 months from high record dams and sired by our KING PONTIAC and PIETJE (33.60 lb dam) built W and offening bar same for make from for our new arrivals, and are selling faster to the first same from the first s

H. LYNN, Avondale Farm, R.R. No. 3, BROCKVILLE, Ont.

AYRSHIRES

LAKESIDE AYRSHIRES

A select lot of young bulls, all ages, sired by Auchenbrain Sea Foam (Imp.) 25755 (535), Grand Champion at both Quebec and Sherbrooke, from Record of Performance Dams. Write for catalogue.

Proprietor:
GEO. H. MONTGOMERY,
Dominion Express Bidg., Montreal.

Manager: D. McARTHUR, Phillipsburg, Que.

AYRSHIRE BULLS FOR SALE

Two bulls, bred from Hobstand Sunrise, owned by O. A. C. Dam of six months boll holds at large R.O.P. Becord as four-year-old. Dam of seven months boll bolls at stripe strip, large R.O.P. Becord as two and one-half year old. Both will make spinneds above bulls. Pedigrees guaranteed. Apply H. R. EHRHARDT,

BELWOOD AYRSHIRES

Toung bulls from R. O. P. dams. One fit for service, two December shees. All from dams with sound udders and good tests. Weite for breed-ing and price.

J. L. STANSELL,

20

20 Head

Head

PURE HOLSTEINS RRED

AT EMERY, MAY 31, 1916

The entire herd of high testing R.O.M. and R.O.P. Holsteins, the property of Wm. Sharkey, will be sold at public auction on the above date. Plan to be there. Write a postal to the proprietor for a catalogue and note the breeding of the herd.

Wm. SHARKEY, Prop. R.R.2 Weston, Ont.

J. K. McKEWEN, Auctioneer

5 mos. old—Good Individual—Black and White—White slightly predominat-ing. Darm—granda 2nd, champion 4-year old in R.O.P. seet; 36.318 had Milk and 81; 10 milk and 10 milk an COBOURG, ONT.

LAKEVIEW STOCK FARM, BRONTE, ONT. Breeders of high Offer for sale Choice Young Bulli, of various ages, all sons or Urand-Selfent (1) feeling 10-15. cover, One is out of a feeling of various ages, all sons or Urand-Selfent, Cham., 20 dy., bottler cover 37°. Old daughter of Lakeview Rat. Selfent Cham. Cham., 20 dy., butter cover (30°, gand is a half-day, "Terma to will Cam, Cham., 2 yr. old butter cover (30°, gand is a half-day," Terma to will Cam, Cham., 2 yr. old butter cover (30°, gand is a half-day, "Terma to will Cam, Cham., 2 yr. old butter cover (30°, gand is a half-day," Terma to will Cam, Cham., 2 yr. old butter cover (30°, gand is a half-day, "Terma to will Cam, Cham., 2 yr. old butter cover (30°, gand is a half-day," Terma to will cam, Cham., 2 yr. old butter cover (30°, gand is a half-day," Terma to will cam., Cham., 2 yr. old butter cover (30°, gand is a half-day, "Terma to will cam, Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day, "Terma to will cam, Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day, "Terma to will cam, Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 2 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old butter cover (30°, gand is a half-day," Cham., 3 yr. old T. A. DAWSON, Manager

HIGH LAWN HOLSTEINS Only 2 bull calves left. They are sired by a son of "May Echo," and are fine individuals. Write us, JOSEPH O'REILLY, R. R. 9,

PETERBORO, ONT.

- KORNGOLD STOCK AND DAIRY FARM Improved English Torkshires, either sex, all ages. Choice young sows of breeding age.

J. McCALPIN, Korngold Stock Farm, GANANOQUE, ONT.

RIVERSIDE HOLSTEINS For Sale, Choice Young Bulls, sired by grandson of Pontiac Korndyks, and a brothes of Pontiac Lady Korndyks, as 8.5.9 Lutter in 7 days, 15.9.5 Mr. and a brothes of Pontiac Lady Korndyks, as 8.5.9 Lutter in 7 days, 15.9.5 Mr. and 1.5.9 Lutter world's record when made. Also females bred to "King." J. W. RICHARDON, C. ALEDONIA, ORD.

OUR SENIOR HERD SIRE

Prince Pontiac Waidorf, is for sale—3 yrs. cid. hind, sure—and a large per cent. of neifers uniform: type and color. He is a son of the great Pontiac district the color of the sale of the principle of the principle of the principle of the pontiaced a sire of this Pontiaced a sire of this Pontiaced of the principle of the princi LEAVENS & PURTELLE,

BLOOMFIELD, ONT.

of the Live Stock Breeders' Association of the District of Beauharnois, Ltd., will be held at

Ormstown, Que., on June 7, 8, 9, 1916 \$8,000.00 IN PRIZES

Open to the Dominion of Canada and Franklin County, N. Y.

Reduced rates on G.T.R. Trains from Montreal, Upton, Que., Hemmingford, Aufkayille, Casselman, Ont., Swanton, V.T., Massena Springs, N.Y., and intermediate stations.

Special Trains will leave Ormstown Thursday and Friday evening after night performance for Montreal, Hemmingford and Fort Covington. All Stock shipped by Freight returned free.

NEIL SANGSTER,

President

W. G. McGERRIGLE,

Secretary-Treasurer

MAY 17-THE AVONDALE SALE

MAY 17—THE AVONDALE SAIE.

FIFTY public usion in Canada offer to broader of the contraint the quality of the contraint the quality of the contraint the quality of the contraint the product of the contraint the co

SALE DATES CLAIMED.

Annual sale of Holotesias at Avondale run, Brockville, May 17, Prockville District Club, sale of Holims, about 75 head, May 18. G. A. roy, Secretary. steins, aboon 7s bread, havy 18. G. A. Gilroy, Scorolary,
Dispersion agic of pure-bred Holsteins,
May Sig.
Orrin Strader will hold an auction saic of 18 head of registered Holsteins at his brightness of the control o

BROCKVILLE CLUB SALE NOTES.

MR. W. C. STEVEN'S DISPERSION

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R. WM. BALD. Mitchell, Ont., sends in an account of his sale recently reld. He states that he advertised. Farm and Datry, and his sale for a manufacture of \$5,45.55. Did it pear him? He thinks so. It will pay you as well. Try it.

The FIRST Farm Book To Secure is WARREN'S FARM MANAGEMENT



When the highest priced for manager in Onnote for read to manager in Onnote for read to heat to be a supersection of the second with hat he took a trip all the way treased? Because he realized in read to run a farm successfully is or run a farm successfully in the proposition, and that the trip of the second read to the second read to

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DO YOU WANT TO KNOW how to choose a farm, what dis of a farm is most profitable, he could be a farm in the farm of a farm, how to ke did lay out a farm, how to keep the counts, as no a to know where you are making money or where you are making money or where you are making money of the farm of the country of the farm of the country of the farmers fully all these questions of the country more. CIRCULATION DEPARTMENT

Fairmont Holsteinsm

TWO CHOICE HOLSTEIN BULLS #

BRO

May 11, 1916.

BLOOD, Mai dam-170.65 I

A FEW One with 21.6 year-old daug ter of Pietje 1 Many others v

A sample

We are kee in our herd. Seven beaut 22nd's Wooder Two grand The fine sh and 117 in 30 "Champion."

Two extra year-olds-and-One has a 29-lb A fine 28.50

A yearling the great 44-lb, with over 40 lb

FARMERS'

ONTAR

URRIFF May 1.est to being sown, for reest to be to being to the sown, for repastus of the sown of t HASTINGS CO

WATERLOO CO WATERLOO, May 2,-

=Avondale Farm 2nd Annual Sale= BROCKVILLE, ONT., WEDNESDAY, MAY 17th, at 10.30

This will be the greatest sale of high record stock ever held in Canada. THE ONLY CHANCE TO GET DIRECT MAY ECHO SYLVIA BLOOD. Many of the females bred to her son, "Champion Echo," who has the highest 30-day butter average in the world for dam and stre's

A FEW OF THE OFFERINGS: 30 daughters of King Pontiac Artis Canada, all with official records or with record dams and grand-dams. One with 21.66 lbs. as Jr. two-year-old and with a 22-lb. dam. Three full sisters from a 23-lb. dam—one efster has 26.20 at 25 mos. A fine two-One was a series of a 29.50 four-year-old daughter of Counters Segis, a 31.70 daughter of King Segis—a rare opportunity. A beautiful daugh ter of Pietje Korndyke Queen, 26.70, sold at our last sale for \$670. She has a full sister with 23.37 as a two-year-old, and is bred to "Champion." Many others with records up to 20 lbs, and having dams and grand-dams to 25 and 28 lbs.



A sample daughter of King Pontiac Artia Canada Pietje Korndyke Queei: 2nd, whose record at 26 mos. is 23.17 lbs.

We are keeping 35 of K. P. A. Canada's daughters permanently

is our berd. Seven beautiful daughters of Woodcrest Sir Clyde, a son of Pictie 23nd's Woodcrest Lad and Alma Clyde (33.08), all from tested damo. Two grand two-pear-old daughters of Pictie Korndyke Lad—sow cows—one in test already has 21 lbs. as a junior. The fine show cow, Alice Tensen—show ring winner—29.12 in 7 and -117 in 30 days—over 100 lbs. milk 1 day, and safe in calf to "Champlon."

"Champion."
Two extra good daughters of King Segis Pontiac Duplicate—twoyear-olds—and-bred to a son rf May Echo Sylvia and K. P. A. Canada.
Due has a 29-bb. dam and 28.99 grand-dam.
A fine 28.50 cow from a 20-lb. dam of exceptional blood lines atl.

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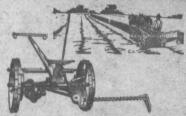
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