FARM AND DAIRY RURAL HOME



BETTER FARMING

Toronto, Ont., May 10, 1917





A JOY RIDE IN OLD QUEBEC.

SARNIA FENCE PRICES

•

Advance June 10th, 1917

Direct from Factory to Farm

Take advantage of these close prices for immediate delivery

A recent announcement of another advance in the price of wire products makes the present market price approximately two and one half times the market price of 1914, before the outbreag of the war, and many manufacturers are paying a bonus of \$8.30 to \$5.00 per ton for reasonably prompt delivery.

With the entrance of the United States into the war, prices

With the entrance of the United States into the war, prices on all steel are advancing and delivery dates becoming more uncertain. The enormous tonnage of steel which will be required by the government for the manufacture of ammunition, runs and the building of ships will make it almost impossible to obtain steel for domestic purposes at any price, as government orders will be given preference.

We cannot urge too strongly to anticipate your future requirements and BUY NOW. Owing to the tremendously increased cost of raw material and advance in freight rates and present labor condition we are forced to advance all prices on June 10, 1917. In the very near future it will not be a question of price but the problem will be to get delivery at any price.

We are in a position to make immediate delivery on a limited tonnage at the prices quoted herewith but when our present stock is expired prices and delivery will be very indefinite. Mail your order to-day and assure yourself of prompt delivery at the low price.

For Prices Delivered in New Ontario, Quebec and Maritime Provinces

. Add 3e per rod to the prices of fence quoted herewith, 25c advance for gates and stretchers, 10e per sack of staples and 10c per coil of brace wire.

Guarantee

We guarantee our fence to be made from the best galvanized hard steel wire both stay, line wire and knot, and to be the most perfectly woven fence on the market, and of full Government gauge No. 9 wire.

Notice

These prices are freight prepaid to any station in Old Ontario on shipments in lots of 200 lbs. or over.

Remit direct to The Sarnia Fence Co., Ltd., Sarnia, Oat., by Post Office order, money order, or bank draft.

We want your order whether for one bale or a

Send Your Order Today

at the low price.		
Cash With the Order Saves Expense and You Get	Prices Delivered	Prices Delivered
the Benefit of the Saving in the Price	Ontario Before	in Old ntario
4-34-0 HORSE AND CATTLE FENCE. Has 4 line wires, 34 in. Made of all No. 9 wire. Spacing 11. 11, 12. Weight 5½ lbs. per od. Price per rod	25c	27c
540-0 HORSE AND CATTLE FENCE. Has 5 line wires, 40 in. high, 3 stays to the rod, all No. 9 hard steel wire. Spacing 10, 10, 10, 10. Weight per rod 69; libs. Price per rod.	30c	32c
6-40 -0 HORSE AND CATTLE FENCE. Has 6 line wires, 49 in. high, 9 stays to the row, all No. 9 hard steel wire. Spacing 7, 7, 8, 9, 9. Weight per rod 7½ lbs. Price per rod.		
ing 7, 7, 8, 9, 9. Weight per rod 714 lbs. Price per rod	34c	36c
7-40-0 HORSE, CATTLE AND SHEEP FENCE. Has 7 line wires, 40 in. high, 9 stays to the rod, all No. 9 hard steel wire. Spacing 5, 6, 8, 7, 7½, 8½. Weight per rod 8½ lbs. Price per rod	38c	41c
7-48-OHORSE AND CATTLE FENCE. Has 7 line wires, 48 in. high, 9 stays to the rod, all No. 9 hard steel wige. Spacing 5, 6, 7, 9, 10, 11. Weight per rod, 9 bs. Price per rod.	38c	41c
8-40 GENERAL STOCK FENCE. Has 8 line wires, 40 in. high, 12 stays to the rod, all No. 3 hard steel wire. Spacing 5, 5, 6, 6, 6, 6. Weight per rod 101/2 lbs. Price per rod	47c	50c
8-46 GENERAL STOCK FENCE. Has 8 line wires, 48 in. high, 12 stays to the rod, all No. 9 hard steel wire. Spacing, 4, 5, 6, 7, 8, 8, 9. Weight per rod, 11 lbs. Price per rod	49c	52c
9-48-0 GENERAL STOCK FENCE. Has 9 line wires, 48 in. high, 9 stays to the rod, all No. 9 hard steel wire. Spacing 3, 4, 5, 5, 6, 8, 8, 9. Weight per rod 11 lbs. Price per rod	50c	53c
9-48-0-SSPECIAL HORSE AND CATTLE FENCE. Has 9 line wire. Spacing 6, 6, 6, 6, 6, 6, 6. Weight per rod 11 lbs. Price per rod	50c	53c
9-48 GENERAL STOCK FENCE. Has 9 line wires, 48 in. high, 12 stays to the red, all No. 9 hard steel wire. Spacing, 3, 4, 5, 8, 8, 8, 9. Weight per rod 12 lbs. Price per rod freight prepaid	54c	58c
10-50 HORSE, CATTLE SHEEP AND HOG FENCE. Has 10 line wires, 50 fn. high, 12 stays to the rod, all No. 9 hard steel wire. Specing 3, 34, 34, 64, 54, 6, 8, 8, 8. Weight per rod 134, lbs. Price per rod	60c	64c
POULTRY FENCE. Poultry FENCE. Has 18 line wires 48 in high, 24 stays to the rod, top and bottom wire No. 9, filling No. 13 hard steel wire. Spacing 19, 196, 196, 196, 196, 197, 197, 197, 197, 197, 197, 197, 197	60c	64c
WALK GATE 31/2×48	2.75	3.00
FARM GATE 12x48	5.25	5.50
FARM GATE 13x48	5.50	5.75
FARM GATE 14x48	5.75	6.00
FARM GATE 16x48	6.25	6.50
STAPLES GALVANIZED, 1% in. per box of 25 staples	1.20	1.30
BRACE WIRE, No. 9, Soft per coil 25 lb.	1.20	1.30
STRETCHER. All iron top and bottom draw very heavy tested chain, extra single wire stretcher and splicer, the best stretcher made at any price	9.50	10.00

7-48-0-38c

Freight Paid

Price

Sarnia Fence is sold Lirect from Factory to Farmer for cash. By our
unique selling plan we
eliminate everything that
adds unnecessarily to the
price of our fence such as
excessive overhead expense, Travellers' expense, Jobber's profit,
bealer's profit, bad debts,
and charges for handling
two or possibly three
times. Thus we give you
our fence at first cost.

Sarnia Fence is made in what is conceded by the best Industrial experts to be the best equipped and most economical fence factory in America.

Combining these features—Our Direct Selling Poicey—Our Low Cost of manufacture, our unconditional guarantee, and the fact that we are not connected in any way with Manufacturers' combines, for the elimination of competition and the maintenance of high prices we believe you will give us credit for being in a position to sell you the best fence it is possible to make at the lowest possible cost.

The Sarnia Fence Company, Limited, Sarnia, Ontario



We Welcome Pra

Trade increase

VOL. XXXVI

Cape Breton far the cracker b

going into sheep nex "If you put as muc as I have to," the r as he put the cover barrel, and put a case was interrupted.

"Do you know what cows?" asked a young lege course.
"No," said the farm

I was going to kn doing?"
"Well," replied the y was a rising farmer

"Well," replied the 3
was a rising farmer,
testing?"

"I did but who is

testing?"
"I did, but who is cans and scales when do?" answered the ol throughout the district the college man was en ple cow-testing really The upshot of the col purchased two extra a spring balance.

This conversation to Mac's cows began to with all the enthusias cause, he carefully m cow's milk. He would scale and turn the poi milked-a cow he pour and marked on a chartcharts were obtained mental Farm free.

During that summer cral surprises. The scows averaged only abpet cow, one that filled ing and evening during came third on the list. his tests, was one that show, but kept continue results of his summer upside down.

Two of his cows we pounds. These he sen along with the next loo place he bought two gr

He did not feed his c interest in increasing to grew more intense he est in the feeding probl 1913 was over, and he he he found that his two a lbs. of milk for the year



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

VOL. XXXVI

TORONTO, ONT., MAY 10, 1917

The Result of Mac's Cow Testing

The Story of a Cape Breton Farmer-By John H. McDonald

64 T DON'T believe cows pay," said a grizzled old Cape Breton farmer, as he leaned up against the cracker barrel at the village store. "They never paid me, and they never will. I am

going into sheep next year."

"If you put as much brains into your business as I have to," the merchant started to remark as he put the cover down tight on the cracker barrel, and put a case of sardines on top, but he was interrupted.

"Do you know what you gain or lose on your cows?" asked a young man who had taken a college course.

"No," said the farmer, "how do you think I was going to knew what each cow was

"Well," replied the young man, who, by the way was a rising farmer, "did you ever hear of cowtesting?"

"I did, but who is going to start fooling with cans and scales when he has something else to do?" answered the older man, who was known throughout the district as "Mac." In a short time the college man was explaining to "Mac" how simple cow-testing really was, when one knows how. The upshot of the conversation was that "Mac" purchased two extra milk pails and a dial-faced spring balance.

This conversation took place in January, 1912. Mac's cows began to freshen in February, and with all the enthusiasm of a convert to a new cause, he carefully measured and weighed each cow's milk. He would place an empty pail on the scale and turn the pointer back to 0. When he milked a cow he poured her milk into the pail and marked on a chart the amount of each. The charts were obtained from the Central Experimental Farm free

Surprises for "Mac."

During that summer "Mac" ran up against several surprises. The greatest was that-his ten cows averaged only about 3,500 pounds each. His pet cow, one that filled a three gallon pail morning and evening during two of the summer months came third on the list. The best cow, as shown by his tests, was one that never made much of a show, but kept continually at it. Altogether the results of his summer's tests turned his ideas upside down.

Two of his cows went very little over 1,000 pounds. These he sent straight to the butcher along with the next lowest on the list. In their place he bought two grade Holsteins.

He did not feed his cattle very well, but as his interest in increasing the production of his herd grew more intense he began to take more interest in the feeding problem. When the season of 1913 was over, and he had his accounts balanced. he found that his two grade cows averaged 8 000 lbs. of milk for the year. The rest of his berd

averaged about 4,500 lbs. The two grades brought up the average production to 5,200.

The fact that most impressed him was that his two grades produced 16,000 lbs., while the seven scrubs totalled 31,500 lbs. At this rate four grades would be better than his seven. At the end of the season of 1913 Mac sold five of his scrub cows, and in their place bought two pure bred Holsteins. His herd was growing small, but his milk cans were more numerous.

Better Feeding Came Next.

Not alone the questions of better stock and breeding engaged him. He began to study his feeding methods, and the problem of growing more and better feed. The spring of 1914 found Mac trying to grow a small patch of fodder corn and a plot of a mixture of oats, peas and vetches. The corn was a disappointment, but the O. P. V. was a good success. He cut it early and fed it when the pasture was short. The result was fully up to his expectations.

His tests this season showed that his herd yield amounted to 44,000 lbs.; this, with only six cows, two pure breds, two grades and the two best of



The Man of the Hour

REAT Britain, France and Italy are in need of wheat.

Their supplies in normal years

came most largely from Russia, Bulgaria and Roumania. This year they must come from Canada, Australia, In-dia and the United States.

Australia and India are so far away and ocean tonnage so limited that their supplies are of almost secondary import-ance. The United States is not a great exporter of bread products, the needs of her own people now almost equalling her duction.

The need of the Empire is a greatly creased production of foodstuffs in Can-ada. The farmer is the man of the hour. with him, as much as the man in the trenches, lies the surety of victory. All forces should co-operate to increase the rorces and cooperate to increase the exportable surplus of breadstuffs this year. The farmer will do his part. The cities also must do theirs by supplying man power. Finally the banks can render a great service by financing the 1917 his scrubs. This showed him in a very practical manner the truth of the saying that "the better your stock, the greater your profits."

The two pure bred cows averaged 9,000 each, while the scrubs averaged but 5,000 lbs. Mac invested in a pure bred bull with a good record behind him. He sold his two scrub cows and a young bull from the pure bred cows. With the proceeds of this sale he bought two more pure bred cows. They cost him more than he got for those he sold, but he was satisfied with his deal

A Silo Will be Next.

In 1915 Mac had three acres of oats, peas and vetch mixture. Part of this he fed green during the summer and fall. The rest he cured for hay. He found it hard to dry, but this year he intends to build a small silo, even if corn will not succeed in Cape Breton.

In last season's milking period Mac's cows produced 54,000 pounds of milk. His four pure bred cows produced three thousand pounds more of milk in 1915 than did his seven scrubs in 1912.

This year Mac is putting in a large amount of the O. P. V. mixture and turnips. Mangels are not always a heavy crop in Cape Breton, so he grows turnips instead. He will have nine cows this year, three grades and six pure bred cows. His interest in better farming is daily increasing. Already his farm shows the result of better methods, while his bank account is waxing fat every month. He is now turning his attention to the marketing end of the business; heretofore he simply sold his butter at the country store. This year he intends to sell direct to the consumer.

This was all the result of his cow-testing and the greater interest he took in the business of farming. Instead of being classed with the average, he is among the successful few.

Fresh Air and Tuberculosis

ATTLE in well ventilated stables are not necessarily immune from tuberculosis. Even in California, where dairy herds live almost altogether in the open, the disease is spreading. The bacillus floats as readily in fresh as in foul air. The cattle in well ventilated stables, however, are more vigorous and better able to resist disease. They will produce more milk and larger and stronger calves. The only method of keeping a herd absolutely clean, however, is to use the tuberculin test regularly and eliminate all

And it is becoming increasingly important that tuberculosis be eliminated. City milk consumers are demanding milk from herds with a clean bill of health. Surplus stock from diseased herds cannot now be exported to the United States, nor will British Columbia take them. It looks like "Clean up because we have to."—J.W.

My Ideal Dairy Stable It Has Cement Floors and Frame Walls

H. L. Connal, Dundas Co., Ont.

LIVE on a border line, so far as barn architecture is concerned. My travels have taken me from Dundas county west through all the counties of Ontario to Essex. In all of the district the bank barn with the stone stable seems to be the favorite. From Dundas county east down through the townships of Quebec, the barns are built more on level ground and the stables have frame walls. ! have had a good opportunity to observe many stables of both types, and were I building now I would follow the light from the east.

The bank barn looks impressive. It has an "air" about it. But it is open to certain grave objections. It has been my observation that most bank barns are damp. Naturally, cellars are damp, because they are underground. I should think that they would be more difficult to ventilate. Certainly there is not the same opportunity to let in abundant sunlight from all sides as there is in the frame stable built on the level. These three factors: moisture, ventilation and lighting, all have their effect on the health of animals, particularly dairy cattle. I conclude, therefore, that the style of stable that is dryest, most easily ventilated and lightest, is the best All of these conditions call for the wellmade frame stable. Am I right?

Care of Cows at Calving

Some Advice from a Contemporary

AM just starting with pure-bred cattle," writes a subscriber of Hoard's Dairyman. "Will you please tell me how to handle a cow and calf after she freshens? How to disinfect the calf's navel and how to handle the cow?" The editors reply as follows:

"It is very important that a cow should freshen in good condition, and that she be prepared for her lactation period for some time previous to the time of freshening. She should have a rest for at least six weeks, and preferably eight weeks, between the time she ceases producing milk and parturition. It has been proved experimentally that a cow which is given this rest and freshens in at least fairly good flesh will produce more during her lactation period than one which has a shorter rest. Especially during the last few days previous to freshening, the grain ration should be of a light nature and preferably slightly laxative. Ground oats, wheat bran, and oil meal in a mixture is a very satisfactory concentrate allowance. It is best to feed a small supply of grain at this time, but roughages, as corn silage and clean, bright legume hay, may be supplied in liberal quantities.

Avoiding Navel Troubles.

"As soon as the calf is born, the liquid should be drawn from the navel cord and tineture of iodine liberally applied to the cord, both internally and externally. As an added precaution against navel infection of any kind, compound "alum powder should be dusted on the cord several times during the first day.

"Opinions differ as to the length of time the calf should be left with the cow, but, unless the cow's udder is inflamed considerably, we advise that the calf should be taken away at the end of one or two days' time. Especially with cows which are heavy producers and which have a tendency to have milk fever, it is advised not to milk the udder completely dry at any time during the first three or four days after freshening.

"The cow should, of course, be in a clean, dry stall where she can be kept comfortable. She should not be disturbed and excited. The stall



When Labor Was Plentiful.

should be well bedded anil well lighted, and, previous to the birth of the calf, should be thoroughly disinfected. A liberal supply of water should be furnished, and for the first few days after freshening should be lukewarm. Bad effects commonly follow the drinking of large quantities of cold water.

Feeding the Cow.

"There is no danger in feeding all of the clean, high quality hay the cow will eat, and in feeding fairly liberal quantities of such feeds as corn slage. However, grain should be fed in small quantities. As the production of milk increases



Pontiac Jessie—One of the Greatest of Canadian Holstein Cows.

12.87 lbs. butter and 659 lbs. milk in 7 days, and 153 lbs. butter and
2.877 lbs. milk in 36 days, which places her second in the mature class in Canada.

Elsewhere in this issue of Farm and Dairy her owner, Mr. Martin McDowell,
Oxford Centre, Ont., tells of the breeding and freeding of this companies.

from day to day the supply of grain may be gradually increased at the rate of one-half pound por day. With heavy producing cows it may take as much as three weeks before a maximum supply of grain is fed. When the cow falls to increase in milk flow any longer, no further addition should be made to the grain mixture. By lowering it slightly or raising it as the cow varies in milk flow, a good idea may be obtained as to the amount of grain she should have.

"It must be kept constantly in mind that success or failure in the care of a cow depends more upon the man who is trusted with that care than any set of rules or suggestions which can be made."

There is no more critical time in the life of the cow, and the most trifling precautions should never be omitted at calving.

A Three-Year Rotation My Cropping Method in Detail

N handling a field through a three-year rotation I find the following method a very good one: We will begin with the field in clover sod, to be followed by roots or corn. If followed by roots I would give a field a good dressing of manure. After the hay was taken off this would then be ploughed under by turning a shallow furrow, thereby keeping the humus near the surface, which helps to retain the moisture. If the clover is to be followed by corn I would leave until spring, then apply manure, or, if land is level, it might be applied in winter time, thus saving much time in the spring. I would apply manure at the rate of 12 to 15 tons per acre. When plowing under, a shallow furrow should be turned in the same way as when plowing in fall for roots.

As soon as you are through plowing I would go over the field with a roller to press the sod down firmly. This would be followed by a disc harrow. crossways and lengthways. I would then go over the field with the roller once more, and then disc harrow again. Next use the smoothing harrow. If the land is not yet in good tilth it should be gone over once more with the disc harrow until the soil is thoroughly pulverized and a good seed bed formed. One reason why it is necessary to have the soil in good tilth is that it helps to retain the moisture in the ground. The loose, fine soil on top forms a blanket and keeps the heat of the sun from penetrating too deeply. The ground is now ready for sowing corn or roots. In the fall after the hoe crop has been harvested plow fairly deep.

The next year I would cultivate the ground in much the same way as was done the previous spring. Then sow oats, seeding down to clover,

sowing about 15 lbs. red clover per acre. After seeding roll the field, which helps to conserve moisture by compacting the soil. Then hargow to loosen the top and prevent evaporation.

There are two imple ments I would like to recommend. The first is the new double cutaway disc harrow. It consists of two disc harrows, one running in front of the other. One throwing in and the other out. It takes more power to operate than the ordinary disc harrow, but is very effective in reducing the cost of preparing the soil for seed. The other implement is the disc plow. I have no hesitation about recommending its use for the eradication of scutch

grass. It proved very effective for that purpose on our farm. It throws the soil up very roughly, leaving a very uneven surface which enables the frost to get a good chance at the roots.—"Subscriber."

Where we grow peas and oats for hay, as we sometimes do, we take the opportunity to clean the land of weeds at the same time. This crop requires a comparatively small proportion or the season to reach the dough stage. The peas and oats may be seeded in June, and the land kept clean up to that time. Or the seeding may be made as early as possible, the land plowed after harvest and kept clean through the summer and tall. This is a splendid method of fighting weeds where a large area of hoe crop is impossible.—LP.

Succule

Experience

HE problem of dairy cattle in by dairymen in roots to provide 'suc many objections, such and the expense and these difficulties can l materially to the ratio a means by which r creased in its first flow tained at a higher da winter months. The is, however, becoming tainly remain the big farmer during the conof the war at least, a means must be fo which succulents can vided the dairy cow in which will entail less ture of manual labor. lieve that the solution the silo since it can be at a comparatively lo cost considering tons o al stored, and consider the fact that silage made from peas and oats alone, a crop wh be universally and succe grown, and which will green weight of from twelve tons per acre.

Peas and oats or oat can be sown for sila poses as soon as the tended for threshing h seeded and the crop ready for putting into when the oats are in th stage before the thresh binder. We have been of two bushels and peas per acre. As time goes at this rate constitute crop than when sown first time. In other w oculation for the peas when the land is so in counted upon to constitu crop when ready for th tion is, I believe, a mos peas strengthen the re ents. There are two ol peas-first, the fact as



In the Lakes

Succulent Feed for Dairy Cows in Alberta

Experience With Silage at the Dominion Experimental Station, Lacombe

G. H. HUTTON, Superintendent.

THE problem of securing succulent feed for dairy cattle in winter has been keenly felt by dairymen in Alberta. The growing of roots to provide 'such succulents has met with many objections, such as the high cost for labor and the expense and difficulty in storing. Where these difficulties can be overcome, roots add very materially to the ration for the dairy cow, and are a means by which milk production can be increased in its first flow after freshening, and maintained at a higher daily average throughout the winter months. The situation in regard to labor is, however, becoming more acute, and will certainly remain the biggest problem of the dairy farmer during the continuation

of the war at least, and some means must be found by which succulents can be provided the dairy cow in winter which will entail less expenditure of manual labor. We believe that the solution lies in the silo since it can be erected at a comparatively low initial cost considering tons of material stored, and considering also the fact that silage can be made from peas and oats or oats alone, a crop which can be universally and successfully grown, and which will yield a green weight of from eight to twelve tons per acre.

Peas and oats or oats alone can be sown for silage purposes as soon as the crop intended for threshing has been seeded and the crop will be ready for putting into the silo

when the oats are in the late milk or early dough stage before the threshing crop is ready for the binder. We have been sowing oats at the rate of two bushels and peas at the rate of one bushel per acre. As time goes on we find that peas sown at this rate constitute a larger proportion of the crop than when sown at the same rate for the first time. In other words, we believe that inoculation for the peas is necessary, and that when the land is so inoculated, peas can be counted upon to constitute a fair proportion of the crop when ready for the silo. Such a combination is, I believe, a most satisfactory one, as the peas strengthen the ration in protein constituents. There are two objections to the sowing of peas-first, the fact as already mentioned that inoculation appears necessary, second that the cost of seed peas is rather high. To overcome these difficulties I would suggest that culture for the inoculation of land for peas be secured. This can be obtained free from the Dominion Botanist, Central Experimental Farm, Ottawa. The growing of a small block of peas only to provide seed is a method for overcoming the other difficulty and varieties such as Arthur or English Grey or Solo can be recommended. They should be sown as early in the spring as the land is in shape, and on the highest ground available.

Three Men in the Silo.
As had already been indicated, the crop in-



An Old Threshing Tank Put to Good Use. The Farmyard Water Supply of J. W. Richardson, Haldimand Co., Ont.

tended for the silo is cut while the oats are in the milk stage, and is at once run through the cutting box and cut as fine as possible, going into the silo absolutely green. There should be at least three active men in a silo twelve feet in diameter and men who will keep on the move continually in order to insure that the silage be thoroughly tramped, particularly at the edges as the centre will in a measure take care of itself since the pressure from above, as the silo is filled increases, The amount of oxygen remaining in the silage will depend upon the amount of tramping and the amount of oxygen will be the determining factor in the keeping qualities of the silage. Therefore, it is important that the silage be thoroughly tramped. After the silo has been filled it will

settle, and may be filled again in the course of five or six days. In this way another ten to fifteen tons can be accommodated and a silo so filled thirty feet high and twelve feet in diameter will hold eighty to ninety tons according to the amount of moisture in the crop at the time it is cut.

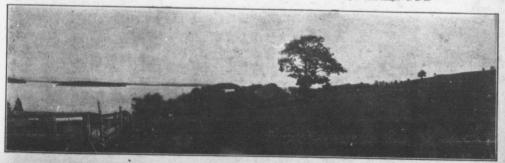
We usually feed some bulky fodder such as hay or at straw, in conjunction with silage, as well as the usual grain ration. When so fed cows on full flow of milk will consume around forty pounds a day. Even though the silage freezes around the edges of the silo it will come out in flakes, and the freezing does not appear to affect injuriously its feeding value.

Experiments which have included the whole dairy herd have been carried on during the past two years to determine the feeding value of this silage as compared with the same feed cured in the ordinary way in the shock as green feed. Both years the results have been very decided in favor of ensiling the crop, showing a having in the

cost of producing one pound of butter of as much as four cents per pound, and as much as seven cents per pound, with silage made from peas and oats, as compared with silage made from corn. However, it is to be remembered that the corn we have been able to grow here has not reached the same stage of maturity as the oats. Therefore, those districts that can bring the corn to the dough stage undoubtedly would find it possible to produce butter for less per pound with corn silage than we have been able to produce butter here for with the same kind of fodder.

In making determination of the cost of butter, ensilage has been valued at \$3 a ton, and cured green feed at \$10 a ton.

When the other spring grain crops are safely in the ground there is still time to think of sowing a few acres of an annual pasture mixture to help out the pastures this summer. A mixture of one bushel each of spring wheat, oats and barley, and seven or eight pounds of clover seed to the acre, seeded now, will afford fine pasturage in another four or five weeks. Turn the cows in when the grain is seven or eight inches tall. As the cows eat it down the stand will thicken and afford good pasturage for the rest of the season. Of course, best results are obtained when cows have the run of both annual and permanent pasture. first turned in annual pasture bloat is to be feared unless the cows have just been filled upon dry hay or corn silage,-C. L. M.



In the Lakes District of Eastern Ontario where thousands of city dwellers annually resort to enjoy country life for a few weeks.

**—more ensdage, because the new Hip-Roof makes it possible to tramp the corn firmly right up to the top of the walls, thus adding tons to the effective capacity.

p—better endlags, because the str-tight walls of 2" crecested spruce retain the heat and all fermentation; do not absorb the soid; and protect the enalize from winter's freet. Thus there is no water scround the outside, but all the endlage is of first quality.

The staves are of No. 1 Spruce, bevelled The staves are of No. I Spruce, bevelled is fit the curve, deathe tongue-and-grooved, [climed at the ends with steel splines, and thoroughly seaded with pine 1/r and crecase. The doors are also 2" thick, bevelled, rabbitted, may cfitting, index-thangeable, and easily opened from the outside. The steel hoops and malleable lugs are guasanteed to stand the maximum girahs.



with its Thom's Patent fan arrangement, and convex Sheffield steel knives, will out the oors used fill your silo with less power and bother, yet greater speed, than any other machine of the same site on the market. With this and a TORONTO Engine of your own, you could out your oors at just the right stage, and avoid the serious beases that come from clear and leaving the corn juting in the field.

Our Booklet, "Toronto Ensiloze Equipment", describes the principles and essentials of making good ensiloze, from start to finish. It's pree—write for it!

scinry Engines, Windmills, Pumps, Stable Equipment, Etc.

Ontario Wind Engine and Pump Co. Limited

Bept. "B"
TORONTO and MONTREAL



CLEAN CULTIVATION PAYS

To keep corn free from weeds, and to keep the soil in c the corn a chance to make a good crop, use an Oliver cultivator. It does first-class work, and it is besides an easy machine to handle and guide. The shovels are held to even depth and steady movement, by the rakish slant'at which they are set. The machine works in hard or soft ground, sand, or clay, and cultivates always to an even depth, which is regulated by handy levers. The Oliver is a pivot frame cultivator with a patented seat bar guide, an automatic frame balance and gangs that move parallel to each other.

The parallel gang movement is a great feature. It keeps the shovels square with the soil so that all the ground is cultivated to the full width of the gangs as they are moved from side to side. It makes it easy for the operator to dodge irregular hills without damaging them.

Oliver cultivators are made in two styles. The No. 1 is for rows 30 inches apart or wider, the No. 4 can be set to cultivate rows as narrow as 24 inches. Special attachments for cultivating other crops and for cutting thistles will be furnished on order.

International Harvester Company of Canada, Limited

BRANCH HOUSES

T-Brandon, Man.; Calgary, Alta.; Edmonton, Alta.; Eatevan, Sask.; Lethbridge, Alta.; N. Battleford, Man.; Yorkton, Sask. T-Hamilton, Ont.; London, Ont.; Montreal, Que.; Ottawa, Ont.; Quebec, Que.; St. John, N. B.



FEEDERS CORNER Conducted by E. S. Archibald.

Feeding Crippled Pigs

Preeding Unppled Figs

OF the past four months we have
been feeding a bunch of 19 pigs. Six
were good ones and grow steadily
were good ones and grows steadily
six months old at a good weight. Four,
however, been badly crippled when
we first got them and at six months they
we first got them and at six months they
we first the six of the Would it
was to you have been been to be a work
with the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of the
young the six of the six of the six of

I would strongly advise selling the crippled pigs for what you can get. It usually takes from 50 per cent. 100 per cent, more feed to make gains in crippled than in healthy pigs, and there is always the risk of total loss. At any time, but more especially when feed prices are high, it pays to feed only growing healthy pigs.-E. S.

Silo Material

Silo Material

W B are about to build a silo, but have
difficulty in making a choice betype. Year he cement and the wooden
type. Accords for the latter told us that
tomes, accords for the latter told us that
tomes, accords for the latter told us that
tomes and the latter told us that
tomes on the latter told us that
to make the cown that have been eating
that some cown that have been eating
that some cown that have been eating
that some the cown that a the some
that some town that the want to know
ment we so often hear that ensilage is
hard on teeth? But I do want to know
hard on teeth? But I do want to know
important—J. E. F. You come as I is
The choice of type and make of silo
will be governed largely by the money

will be governed largely by the money which the correspondent wishes to invest therein, as well as the cost labor and building materials. The items to consider in making his choice are: cost per ton capacity, efficiency, durability and proof against fire. Undurability and proof against fire. Undoubtedly a poorly-constructed concrete silo is at a great disadvantage in all these items when compared with a good stave silo. As to cost per ton capacity, a stave silo made locally is least expensive, the patented silo next, and under average conditions the concrete silo the most expensive in the initial cost. All these makes of silos are about equally efficient if properly constructed. The durability is also dependent on proper construction. Undoubtedly the best makes of patented stave silos are more durable than local-made stave silos, owing to the treating of the wood with preservatives. In like manner the durability of the concrete silo is dependent on the quality of the concrete, sand and gravel, the strength of reinforcements, and the finish coat ing of strong cement wash or plaster coat. A well-made silo of this sort will not peel off, although there is apt to be some slight action of the acids of ensilage on the concrete. correspondent may obtain valuable literature from the cement com-The theory of ensilage affecting the teeth of cattle was common before concrete silos were in use. Practice has demonstrated that ensilage of proper quality has no ill ef-fects on cattle, and is a most economical and wholesome food.-E. S. A.

Pontiac Jessie

DITOR, Farm and Dairy.—In compliance with your request I send the following notes on Pontiac Jessie, whose record, 37.62 lbs. of butter, 664 lbs. of milk in seven days and 153 lbs. butter, 2827 lbs. milk in 30 days-places her second in the mature class in Canada.

Pontiac Jessie (15013), was bred by her present owner, her sire being Pon-tiac Atlas De Kol, imported, in dam from Michigan by J. Rettie and her dam being Bouncing Jess 4th, the foundation cow of the Centre View

herd of pure-bred Holsteins.

On Dec. 29, Pontiac Jessie freshened, giving us a fine heifer calf sired by Riverdale Walker Segis. She was placed on test on Jan. 7th, and con-tinued for 38 days, the first eight days being cut off. Her best day's work was on Jan. 28th, when she went at the rate of 39.35 lbs. butter for the day. That she finished strong, is shown by the last seven days of the test when she made 676.2 lbs. milk and 34.47 lbs. butter.

Pontiac Jessie is a large cow weighing around 1,600 lbs., which enables her to stand the strain of heavy pro-duction and I believe her "work out" during the test just finished is only a preparation to come back and raise her present record. During the test she consumed large quantities roughage and always had a good ap petite. Her grain ration never exceeded 28 lbs. per day and she could handle 105 lbs. roots daily quite nicely.

Pontiac Jessie has been a winner at Guelph on two different occasions being champion two-year-old in 1912 and 1st in the three-year-old class in and 1st in the three-year-old class in 1913. Her daughter, Pontiac Jessie 2nd, was also champion two-year-old at Guelph last December.—Martin McDowell, Oxford Centre, Ont.

Farm Management

Clover in Silo

OW would it work to cut clover and present a story of the cut clover and up?—D. S. Pontlac Co., Que.
In reply I would say that in my opinion this plan should work very well, provided the clover is "un through a cut-box. If the clover we." very short and fine, it might possibly keep without being run through the cut-box, but there is considerable risk involved in attempting to preserve it without taking this precaution. This opinion is based upon some three or four years' experience here in putting such material in the silo.—J. H. Grisdale, Director, Ex. Farm, Ottawa.

Land Plaster as a Fertilizer

W HAT value has land plaster as a fertilizer over lime and what proportion of fime is in land plaster?

—J.F. Muskoka Dist. Ont.

Land plaster, or gypsum, exerts a

similar effect to that of lime in improving the mechanical condition of clay soils. It serves as a source of calcium, as a plant food, and it serves to stimulate the beneficial soil organto stimulate the beneattial son training on the roots of feguminous plants like clovers, alfalfas, peas, beans, etc. In these ways it acts in the same manner as lime, but it will not correct or neutralize the acid of soil as does lime. It therefore cannot take the place of quicklime, slaked lime, marl or ground limestone for this purpose.

The two chief agricultural functions of land plaster are its property of flocculating clay (gathering it in mass-es) and its effect on the insoluble potash compounds, setting free this element in forms available for plant use. The first of these functions makes it valuable for the dressing of heavy clay loams, and the second con-stitutes it an indirect potash fertilizer, though, of course, it does not add to the sum total of the soil's potash. It is this property that makes land plas-ter specially beneficial as a top dressing for clover, a crop that particu-larly responds to potash manuring. The usual application is in the neigh-

borhood of 500 pounds per acre.

Commercial land plaster is some what variable in composition; poo samples may not contain more than 60 per cent. sulphate of lime, while high grades may reach 90 to 95 per

May 10, 1917.

standing why will fill it up, have



WE COS

The wages of three We're the old-fas sore-handed, broken every farmer abon want your order, cheap in some locali because you've alw





Standard Tube & Fe Woodstock,

I would like to have logue and prices. doesn't put me under Name

Address

Are you out to save money dr to waste it? Are you out to take 3 days to a job instead of 1? Do you want a fence that lasts or not ?

THESE may seem like idle questions. Yet in this war-time, when labor is so scarce and material costs so much, here is the standing wonder to STANDARD Tube and Fence users. Why will farmers put up cheap, "made-to-sell" fences, and also why will they waste hours of back-breaking labor, digging holes three times too big for a fence post, then stick the post in, fill it up, have the fence rot to pieces and have to go through the whole performance again?

The wages of three men and a boy. We're the old-fashioned wood-post, sore-handed, broken-backed gang that every farmer abominates. Still we want your order, because we look cheap in some localities and, well, just because you've always used us.

WE COST YOU

CHEAP FENCING DOESN'T PAY--US OR YOU

We are more mindful of our Quality-guarantee this year than we are more mondrul of our Quality-guarantee this year than ever before, and so should you be. Steel is almost a "precious" metal. Galvanizing materials are sky-high too. So look out for "cheap" or skimped fence. We say that whether you buy "STANDARD" Fence or not. A poor fence is an aggravation, an expense and finally a total box. expense, and finally a total loss.

"Standard" Fence carries a real Guarantee

It is full Government Standard No. 9 gauge wire. The gal-At its that Government Standard No. 5 gauge wife. The gar-vanizing is heavy and perfect. The uprights are full gauge, too. The spacing is always true and uniform. The tests that STANDARD Fence gets before and during weaving are such you'd wonder any fence could stand them. No man's money can buy any-

thing better, but if you ever have any complaint, just write us, and you'll see what a real guarantee means.

Use Standard Steel Tube Feace Posts

This is the modern, money-saving plan over wooden posts, which always were hopelessly wasteful. STANDARD Posts are driven into the ground with a few mallet strokes, and there they stay. They don't wobble or sag. They don't blow down. They don't blow down. They don't harbor crop-destroying insects they don't blow down. They don't blow down. they don't blow down. They don't marbor crop-destroying insect pests. They don't cost as much as cedar, and they hold the fence better. No staples to buy, we furnish special hooks.

But here's the big labor and money-saving point: Let a man and boy go out with a wheelbarrow and mallet, and they'll put in more posts in a day, and do it better, than three men and a boy digging holes and putting in posts the old way. Just figure out the saving that means.





WE COST YOU

Only one man's time and a boy's. The STANDARD Steel Tube Posts we use cost less than wood in money and

We do a job you'll be proud of and will last longer than the boy who put them in will. We deserve your order if you want to save money.

Steel Fence Posts Fencing



SIXTY FEET APART, YET THEY STAND A HEAVY GRAPEVINE LOAD.

SIATY FEET APART, YET THEY STAND A HEAVY UNAPEVINE LOAD.

Standard Tube & Fence Co., Ltd.:

Dear Sirs.—We are in receipt of your letter of the 24th inst., and the contents are noted. In reply, we beg to say that the steel tube fence posts, which we purchased from you in March, 1915, have given us great satisfaction. We used these posts along with cedar posts, alternating them, and spacing them sixty feet apart, and they have given us splendid service.

Very trule your.

St. Catharines.

THE ONTARIO GRAPE GROWING & WINE MANUFACTURING COMPANY.

Standard Tube & Fence Co., Limited Woodstock, Ontario

I would like to have your latest catalogue and prices. Asking for this doesn't put me under any obligation.

Address

C.F. 4-5-17

Take a look at our famous Knot. This type was originally invented by us, and, although widely copied, our special gradual-curve improvement, whereby the grip is vise the galvanizing never chipped or cracked, has never been equalle

STANDA e Post Hooks are supplied free, and they give a taut, even grip and the labor of driving staples.

Our whole business is built up on big service to farmers. Use STANDARD Fence, STANDARD Posts and Staples, and banish the broken-down-fence bogey, and banish the weary, wasteful, costly post-hole digging.

STANDARD Fencing is shipped the same day as order is received, \$10 worth and over goes freight paid anywhere in Eastern Canada. All types of fencing gates, tools, etc. Send us the Coupon to-day.

STANDARD TUBE & FENCE COMPANY, LIMITED WOODSTOCK, ONT.



Standard Steel Tube Fence Posts Plain and Split (or self-anchoring)

552

Why a Good Seed Bed)

The food of plants is all taken up in liquid form. It is dissolved by the area of the two broken aur. It is dissolved and since less urface is increased by the soil water from the soil areas. If each of these pieces is again to be a surface of the particles and since he surface of the creased, and the surface of the particles the size of those found in the surface of the particles fine and by deepening the surface of the particles fine and by deepening the surface is everal acres. Good tillage, by it for dissolved pant he water is which roots deportion that their growth is not hindered as also increased.

If a ball of earth the surface of the particles the surface is everal cares. Good tillage, by its for dissolved pant of the surface is everal acres. Good tillage, by its for dissolved in which the surface is everal acres. Good tillage, by its for dissolved in which the surface is everal acres. Good tillage, by its for dissolved in which the surface is everal acres. Good tillage, by its for dissolved in which the surface is everal acres. Good tillage, by its for dissolved in which took deportion that their growth is not hindered available is also increased.

When cultivation is shallow so that the growth is not hindered available is also increased.

When cultivation is shallow so that the growth is not hindered available is also increased.

When cultivation is shallow so that the surface is the continue for the particle the continue for the particle in the surface is everal acres. Good tillage, by its for dissolved in which the soil are distributed in the theory of the soil extended in the soil are distributed in the theory of the soil



roots in such a manner as to gather n food from the widest possible area. stronger will be the solution of plant food with which they come in confood with which they come in con-tact and the stronger will be the growth of the plant which they sup-ply. Good crops can only thrive on a fine, deep seed bed. *

The Limer and Soil Packer

THE limer and the soil packer are two implements that are destined to fill a large place in our farming operations in the future. At present they do not enjoy the popu-

The limer will grow in popularity as the peculiar soil requirements of the clover and alfalfa crop come to Neither clover nor alfaifa will grow well in soils that are deficient in lime, and alfalfa in pardedicient in lime, and alfalfa in par-ticular requires large quantities of lime for its best growth. Many soils in eastern Canada, and this includes a large portion of old Ontario, are de-ficient in lime. This deficiency ex-plains the failure of hundreds of farmi-ers to get a profitable crop of alfalfa from their land. The remedy lies in limins. The old fashioned way of a production of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of t tributed too heavily, and the humus, and therefore the life, will be burned out of the soil. The lime distributor, which works on somewhat the same principle as the seed drill, can be used on any day, no matter how windy, and It gives an even distribution over the field. Hundreds are now in use, and thousands should be

The soil packer does a part of the work expected of the roller, but does it more efficiently. There are various types of machines on the market. One type consists of a series of wheels one inch in width, and with a one-inch one inch in width, and with a one-ince space between each wheel. The tire of the wheel, if it could be called such, is rounding. When run over a loose field, the sub-surface soil is firmed more efficiently than any roller could ever do it, but at the same time a mulch ever do it, but at the same time a minter is preserved on the surface. Such crops as sweet clover, spring grains and almost all of the grasses require a firm seed bed, and in getting such a seed bed the soil packer can play efficient part.—L. B. W.

L. R. Guild, Box 7

CALVES W

from 100 to 150 large fat hens,

May 10, 1917.

SEE

TODD & COO ******** A FORTUNE

713 Spadina A



It Will Pay Y tion Farm and writing Advertis

Costs No More Than a "Span"-



It seems almost impossible, but it is true that you can get a handsome, com-fortable, speedy 5-passenger Ford motor car for no more than it would cost you for a span of good driving horses, a carriage and harness.

The initial cost of a Ford car is so small that every progressive farmer can readily purchase one.

And who wouldn't rather motor to town, to church, to the railway station, to the neighbor's, than drive? - especially when it is three times as fast to motor, more comfortable and less expensive.

The low cost of running the Ford makes motoring possible for the masses, where it was formerly a rich man's luxury. It makes motoring a matter of good business, especially for those whose time is valuable. And with labor so scarce no one needs the time-saving Ford so much as the busy



Touring - - \$495 Runabout - \$475

F.O.B. FORD. ONT.

Ford Motor Company of Canada, Limited

ONTARIO.

34

*************** CLOVER SEEDS High Grade Govern-No. 1 Maximum Red Clover , 315,00 No. 1 Red Clover , 315,00 No. 2 Red Clover , 12,50 No. 2 Red Clover , 12,50 No. 2 Red Clover , 12,50 No. 1 A Isiake , 12,50 No. 2 Timothy (this seed grades Extra No. 1 for purity and germination) , 4,75 Unity and germination , 4,75 No. 2 Timothy (this seed grades No. 1 for purity grades No. 1 for purity grades No. 1 for purity grades No. 3 Timothy White Blosson Sweet CloWhite Blosson Sweet Clo-

No. 1 Alfalfa (Northern	10.00
grown)	13.00
SEED CORN.	
Learning Fodder Improved Learning Southern White Fodder Red Cobb Fodder Compton's Early Sanford White Fiint Golden Glow Wisconsin No. 7. Pride of the North	\$2.00 2.25 2.00 2.00 3.00 2.75 2.75 2.75 2.25
Terms-Cash with order, extra at 30 cents each.	bags
We pay the freight on all or of \$25.00 or over, east of Manit	oba.

******************** A FORTUNE IN POULTRY

TODD & COOK, Seed Merchants, ONT.



yield by purchasing a setting of eggs of brood of Baby Chicks of our high record R o c k s. Wyandottes Leghorns or R e d s. 1917 Mating List conng 65 photos of buildings. Feed tonic formulas

L. R. Guild, Box 76, Pockwood, Ont.

CALVES WANTED

Good dressed calves wanted from 100 to 150 lbs. each. Also large fat hens, alive.

WALLER'S

713 Spadina Ave., TORONTO.





It Will Pay You to mention Farm and Dairy when writing Advertisers.



More Eggs and Poultry

HERE never was a time when an increase in poultry production Increase in poultry production
was as necessary as it is at
present. The demand was never as
good, and prospects indicate that
this demand will continue for some
time to come. With the scarcity of
meat Canadians are eating more
eggs, and Great Britain needs all the eggs we can supply.

As a business proposition increased production of poultry products has much to commend it. In normal times Great Britain eats a million eggs a day. Present consumption is less than this owing to the war having cut off many sources of supply. Canadian eggs are good eggs, and are at a premium in England. Several cents dozen more are paid for them than for eggs from some other countries.

For two years Canada has been producing a small surplus, and there is no reason why the surplus for 1917 should not be from five to ten times what it was in 1916. We have the climate, we have the feed, and though labor for other lines of work

though labor for other lines of work is scarce, there is plenty of labor suitable for poultry keeping.
Unfortunately, efforts to increase production will not affect the supply of eggs until the early pullets start to lay next fall. To help the eggs supply in the meantime, make sure that laying hens are well feet; given them exercise and well feet; given them exercise and fresh air; market all weaklings and non-producers. Use vigorous males; have the fertility strong; have as few infertiles as posstrong; have as few infertiles as pos-sible; make every egg count. Aim to have hatching done between March 15th and May 25th for general pur-pose breeds, and for light breeds not later than June 15th. Give special attention to rearing the chicks.—Do-minion Department of Agriculture.

Waterglass Eggs

Mrs. Jas. Cook, York Co., Ont. ATERGLASS eggs are good eggs. For years we have Y been preserving sufficient to meet all family needs from late August until the Golowing March. The eggs keep perford be good for know that they would be good for beling in the shell, but the shell, but in the case, it being obtainable at almost any drug store or even grocery. Directions for using a regiven on preserving most any drug store or even grocery. Directions for using are given on each package. We preserve the sgas in large crocks that we once used to store butter before we started to ship store where it is cool and there is no cellar where it is cool and there is no cause of feesing. It is important danger of freezing. It is important to keep the crocks tightly covered to prevent evaporation, and in case evaporation does lower the mixture below the top eggs, boiled water can be added to bring up the level again. An important point is to store only eggs that are new laid and infertile.

Lately we have begun to discover that there is a growing demand for these eggs among our neighbors; vil-lage neighbors who do not keep hens. In some cases waterglass eggs are In some cases waterglass eggs are actually preferred to old storage eggs. We have sold some, and they have given good results, and it is a trade that we intend to develop. Eggs that sell in normal years 102 to 23 cents a dozen might just as cut of two or three cents a dozen, including the or three cents a dozen, including the crock, held a few months, and retailed at 40 cents a dozen or more.

Early Valentine Bush Beans, ready to pick in 35 days, 4 ozs. 15c, lb. 40c.

Early Model Blood-red Table Beet. Pkg. 10c, oz. 20c, 4 oz. 50c First and Best Cabbage, solid heads. Pkg.10c, oz. 30c, 4 oz. 90c Early Gem Red Table Carrot . . . Pkg. 5c, oz. 25c, 4 ozs. 65c Citron for Preserving, red seeded Pkg. 5c, oz. 15c, 4 ozs. 40c Early Malcolm Sweet Table Corn.Pkg.10c, lb. 40c, 5 lbs. \$1.90 Prize Pickling Cucumber (great cropper) Pkg. 5c, oz. 20c, 4 ozs. 50c Earliest Wayahead Head Lettuce Pkg. 10c, oz. 30c, 4 ozs. 90c Early Hackensack (Sugar) Musk Melon....Pkg. 5c, oz. 20c Richard Seddon Bush Garden Peas . . 4 ozs. 15c, lb. 40c. 5 lbs. \$1.75 Select Yellow Dutch Onion Setts Lb. 35c, 5 lbs. \$1.70 Earliest Scarlet Olive Radish . . . Pkg. 5c, oz. 10c, 4 ozs. 30c Extra Early Milan Turnip (earliest grown) . Pkg. 5c, oz. 20c,

Giant White Feeding Sugar Beet, for cattle . . 4 ozs. 15c, 1/2 lb. 25c, lb. 45c

Rennie's Giant Yellow Intermediate Mangel. ½1b. 25c, !b.45c Rennie's Derby Swede Turnip, for stock feed, ½ lb. 37c, lb. 70c Improved Jumbo Swede Turnip (Elephant) ½lb. 37c, lb. 70c Rennie's Kangaroo Swede Turnip (very hardy). ½ lb. 35c, lb. 65c High Grade Compton's Early Yellow Flint Seed Corn, Bus: \$3.25, 5 bus. \$16.00.

Extra Early Eureka Seed Potatoes Seed Corn and Potato Prices do NOT include freight charges

"Pakro" Seedtape. "You plant it by the yard."
2 pkts. for 25c. Ask for descriptive list. Rennie's Seed Annual Free to All. Cotton bags 30c each extra.

Order through your LOCAL DEALER or direct from

RENNIE'S SEEDS Wm. RENNIE Co., Limited King and Market Str., TORONTO Also at MONTREAT. WINNIPEG VANCOUVER

Single Comb White Leghorns

Get in right this season by ordering BABY CHICKS from our noted heavy winter layers. Our stock has been Bred-to-Lay and Pay for neavy winter layers. Our stock has been breu-to-Lay and ray for generations. Baby chicks \$15 per hundred. Safe arrival at destination

F. R. OLIVER, Roseheath Poultry Farm, RICHMOND HILL, ONT.



Dr. B. J. KENDALL CO.,

DEAL WITH Farm & Dairy's Advertisers

ENOSBURG FALLS, VERMONT, U.S.A.

(10)



NEPONSET ROOFING

Insist on the Genuine Paroid and your roofs will be weather-proof and fire-resisting; your build-ings will be warmer in

Paroid has the Grey surface. Also made with crushed slate surface, Red and Green. Complete kit and unconditional guarantee with each roll; it is the easiest of all roofings to lay. The Neponset dealer is a man worth dealing with. Dept. D BIRD & SON HAMILTON ONT

The largest manufacturers of Roofings, Wall Boards, and Roofing Felis in Canada Warehouses: Winnipeg, Calgary, Vancouver, Montreal, St. John, Edmonton

There's a Fairbanks Scale For every Weighing Requirement Fairbanks Scales nable you to know that your weights are correct. Each cale is Government inspected and guaranteed absolutely accurate. Fairbanks-Portable Platform Scale— should be on every farm, that you may know you are giving and receiving honest weight. It is especially well made, has heavy steel bearings, large platform and wide wheels—weighs up to 2,000 lbs. by Fairbanks Farmer Scale is



No business can be successfully conducted without outside help and suggestions. The business man has his business magazine, the lawyer his legal paper, and the physician his medical journal. For the same reason, the dairymen require Farm and Dairy.

In Union There is Strength

Central Office News

VERY important decision was reached at the recent meeting of the directors of The United Farmers' Co-operative Company, when the Manager, Mr. C. W. Gurney, and Mr. E. A. Van Allan, of Aultsville, one of the directors, were authorized to visit Montreal some time soon to find what buying connections can be estab-lished with Montreal firms, so as to enable the Company to provide better service for the farmers' clubs in the well as for any clubs that may be organized in the English speaking disorganized in the English speaking un-tricts of Quebec. The freight rates are so high from western Ontario that it has been found impossible to give clubs in the eastern portion of the province the service that could be pro-vided were good buying connections established at Montreal.

Recently a strong desire has been expressed by farmers in some of the English sections of the province of Quebec to have farmers' clubs organized in their sections. In time it will be necessary for the Company to have a business office at Montreal. The step decided upon is the first move in such a direction. It was taken as a result of the earnest efforts of Mr. Van Allan, who pushed the matter vigorously at the meeting of the board of directors because of his special knowledge of conditions in that portion of

the province where he lives.

The directors of the Company also decided that action should be taken on behalf of the farmers in reference to the application that has been made by the railway companies for permission to increase their freight rates by sion to there are their freight rates by 15 per cent. A committee composed of Mr. H. B. Cowan, of Farm and Dairy; Mr. E. C. Drury, of Barrie; and Mr. B. C. Tucker, of Harold, was appointed to gather information and take such steps as might be necessary to see that the farmers' interests are rotected in this matter. The commit-tee is already in touch with the officers of the Canadian Council of Agricul-ture in Winnipeg in order that joint action may be taken.

Grain Prices Will Be High.

President T. A. Crerar, of The Grain Growers' Grain Company, of Winnipeg, who was present at the meeting of the board of directors for an hour or more, stated that seeding conditions in western Canada this spring are the worst in ten years. They are very poor through large sections of the United States, and conditions have been so bad in the Argentine Republic that the Government has placed an embargo on the exporting of any wheat before next February. He stated that there is likely to be a great shortage of wheat this year in spite of all the efforts being made to increase production, and intimated that prices are likely to rule high.

Messrs. L. Schnurr, Shallow Lake:

R. H. Halbert, Melanethon; and C. W. Gurney and J. J. Morrison, of Toronto, were appointed to meet with members of the Organization of Resources Committee to discuss methods of cooperating with that body in efforts to help the farmers of the province increase their production.

Watch For Unfair Competition.

An interesting fact has come to light recently. It will be remembered that some months ago a firm which had been doing business with The United Farmers' Company and which had succeeded in securing a list of the farmers' clubs of the province, began and was a boon to to compete with The United Farmers' Evoy, Bar River, Ont.

Company and to try and sell direct to Company and to try and sell direct to the local farmers' clubs. This firm also threatened a law-suit against The United Farmers' Company, which was never progeeded with. This same firm has recently succeeded in engaging one of the clerks that has been associated with The United Farmers' Comfamiliar with the details of considerable of its work. Actions of this kind may not have any particular significance, but under existing condithere is reason to believe that the motive that prompted this firm to take away help from The United Farmers'
Company is not one that has the best interest of the United Farmers' movement at heart.

Mr. Halbert in Lanark County

THE president of the United Farmers' of Ontario, Mr. R. H. Halbert, recently addressed a series of meetings in the Perth district of Lanark County. His itinerary included the clubs of Glen Tay, Perth, Balder-son and Middleville and a new club organized at Drummond's Centre. The meetings were all well attended and the club members were delighted with Mr. Halbert, who injected new life into the organizations

In his address Mr. Halbert urged that farmers should organize as men of all other occupations are organized. Said he: "The men that are shouting pa-triotism are not always the most pa-Our interests have been showed behind while other interests have been spoon fed. It behooves us to-day, when increased taxation faces us, to stand for our rights as an organized body. We should not be slaves to a fixed market and a high protective tariff.

Much more Mr. Halbert said on or ganization and the need of it. He succeeded in giving his hearers a vision of the importance of agriculture and the part that the United Farmers in-tended to play in securing for the farmer a square deal

A New Club in New Ontario

DITOR, Farm and Dairy .- The U. F. O., like an epidemic, is spreading. Even in this wild country, which was in early days, by many people, counted only a place for many people, commed only a place for frogs and mosquitoes in summer and the frozen north in winter, but which the writer has since heard called "the hub of creation," since white men transformed it. Well, sir, news of the success of the Bar River Farmers' Club is smoother. Club is spreading abroad, for about two weeks ago the president and sec-retary were called to attend a meeting of the farmers of Laird and Tarbute, at the home of Mr. Albert Davidson. On arriving there they met with an interested and representative crowd of men, eager to talk cooperation, already prepared to form a farmers' club. It prepared to form a farmers' clab. It required but a few explanations to satisfy them. A very promising club organized with Mr. Albert Dävidson as president, Mr. Carson Moore, vice-president. "A board of directors consisting of Mr. John Armstrong, Thomas Murray, William Bradshaw, and Nelson McOoy. This club is starting off at a good pace and promises to be very strong. ises to be very strong.

The car of oats purchased from the west by the B. R. Club came in good time and proved a decided success and was a boon to many.—Gordon



Too Close Pl

Young Trees at S soon as the the nursery the box or bundles and heel ti until ready to plant deep enough so tha all roots covered w air holes. It is a go the roots with water One of the c young trees failing care between the i

Take the trees to with an old blanke wet. The holes for be large enough so need be bent. It enough so that the t about two inches d in the nursery row. be planted deeper are so much shorte likely to move it les planting. There ar of trees in our pres ing away from the If these winds com west, lean the trees that direction.

Pruning the roots third to one-half of one-quarter inch in be removed, leaving showing living woo faces very soon pro cambium from which rapidly grow. Remodead roots, cutting t wood.

Pruning ti Pruning the top m or after planting. In the opportunity for the final selection of is greater. It is best permanent branches ternate and opposite a crotch under at Thousands of dollars to the growers of th





Too Close Planting. An Obstruction to all Cultural Operations.

Young Trees at Planting Time Young I rees at Planting I inc

A S soon as the trees arrive from
the box or sacking, untle the
bundles and heel them in the ground
the box or sacking, untle the
bundles and heel them in the ground
the power of the power of the power of the
undless and heel them in the ground
to ground the power of the power of the
undless of the power of the power of the
the roots with water if they look dried
out. One of the causes of so many
young trees failing to live is lack of
care between the nursery and resetcare between the nursery and reset-

Take the trees to the field covered Take the trees to the field covered with an old blanket kept thoroughly wet. The holes for the trees should be large enough so none of the roots need be bent. It should be deep enough so that the tree can be planted about two inches deeper than it was in the nursery row. The tree should be planted deeper because its roots are an much sharter and the wind is be planted deeper because its roots are so much shorter and the wind is likely to move it less with this deeper planting. There are a great number of trees in our present orchards lean-ing away from the prevailing winds. If these winds come from the north west, lean the trees were

Pruning the Top.

Pruning the top may be done before or after planting. In the case of apples it is preferable to do it afterwards, as the opportunity for discriminating in the final selection of a permanent head is greater. It is best in selecting your permanent branches to have them alternate and opposite. Do not tolerate a crotch under any consideration. Thousands of dollars are lost annually to the growers of this Province from

trees splitting, due to the badly-formheads. The usual plan is to select three or four branches to form the three or four branches to form the head of your tree. One must remem-ber that absence of crotches, proper distribution of wood and symmetry are three very desirable features in a good, profitable apple tree.

profitable apple tree.

Start your heads low, not more than three feet, and twenty to twenty-four there is more desirable. When there is more desirable. When there is likely to be deep snow, however, the course of the lower branches. This applies speciate of mid weather it is likely to teep of mid weather it is likely to teep of mid weather it is made and far eastern countrie of notario. Low-headed trees economic in apraying, picking and thinning, in the property of branch and truck is stronger, one of branch and truck is stronger, the press are not so easily twisted and thaken about by the winds, thus lessening the number of windfalls and broken limbs.

When selecting the three or four when the property of the selecting the three or four the selecting the selecting the selecting the selecting the selecting the selecting the selection that the selecti

likely to move it less with this deeper planting. There are great number of trees in our present extended learning away from the prevent extended to the extended and a strongest, providing they are spaced wide enough apart along the trunk if the extended around the extended to the extended around the properties of the extended and spreading the control of the preventing spreading the extended and spreading showing lithing wood. Clean-cut surface showing lithing wood. Clean-cut surface showing lithing wood and spreading the extended and spreadi When selecting the three or four or slightly cut back. The reason for this is that buds near the tips of these limbs are more vigorous than those towards the base. In case of a dry season it will be noticed that trees severely cut back will often die, whereas those merely thinned out come through with a fair growth. Three or four-year-old trees will re-quire its have about half. Three of four-year-old trees will require to have about half their tops cut back to properly balance and form the head.—Fruit Branch Cir-



The Same Mistake in a Young Orchard. This young orchard is just across the road from the one shove, yet the trees, all standards, are planted just the same distance apart. Porty feet each way is not too much for standards, permanent varieties.

Third by an addition of Parm and Dairy.



Horses merely draw machine. Engine does all operating. Runs reel and sickle, elevates, binds and delivers grain. Sickle continues to run when build wheel skids or in furning. Does away with loose sheaves. Cuts heaving realin-dangled grain. Binder won't choke. Easily attached to any binder, and the continues of the continues of the patiented clinich pulley with sprocket for chain drive to double sprote of the continues of the co

Original Binder Engine
For all grains in any section. Weighs only 167 lbs. Tested and proved by 7,000 farmers on soft, sandy, hard and rough ground.

This Same Engine is also an All-Purpose Engine

Best for running the grindstone, pump, corn sheller, wood saw, leed grinder, washer, senantoe capital for the property of the



Have You Building Material For Sale?

If you are a maker of anything whatever that enters into the construction or equipment of a Farm Building, you certainly ought to be represented in the Annual FARM BUILDINGS NUMBER OF FARM AND DAIRY, out JUNE 7th.

This issue will contain live articles on the best kinds of barns, silos, etc., to erect on the farm, and the best material to use m their construction. It will be copiously illustrated, showing interior fittings of good barns as well as exterior photographs. Should you handle silos, silo material, cement, roofing material, shingles, litter carriers, stanchions, lighting devices, etc., get your strongest copy in the big FARM BUILDINGS number of June 7. It will go to approximately 23,000 dairy homes. We have a few choice positions open at present. Write us your reservations. All information and

Advertising Dept. Farm & Dairy Peterboro, Ont.

When You Write---Mention Farm and Dairy

Karm and Dairn

Rural Come

"The Farm Paper of Canada's Dairy Farmers"

Published Every Thursday by
The Rural Publishing Company, Limited
Peterboro and Toronto

47

SUBSCRIPTION PRICE, \$1.00 a year. Great Britain, \$1.20 a year. For all countries, except Canada of Great Dirlain, add 500 for postage.

ADVERTISING RATES, 12 cents a line flat, \$1.50 and \$1.50 and

CIRCULATION STATEMENT

The paid subscriptions to Farm and Dairy exceed 27 hope and subscriptions to Farm and Dairy exceed 28 hope 27 hope 28 hope 29 hope 29

OUR GUARANTEE

We guarantee that every advertiser in this issue is reliable. We are able to de this because the advertising columns of Farm and Dailry are as carefully edited as the reading columns, and because to protect redere, we turn away all unscriptuous adversaries of the second of the seco

The Rural Publishing Company, Ltd. PETERBORO AND TORONTO

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

The Silo Next Winter

TNLESS all signs fail the silo owner will be more fortunate next winter than he is in most seasons. The area seeded last spring, because of the almost constant wet weather, was smaller than for several years past. The killing drouth of the latter summer months did not promote a good growth of the new seeding, and according to all reports much injury was done to the clover in Ontario during the first half of April. To this series of misfortunes is now being added the additional reverse of a cold backward spring. Grass is making a slow start, and present prospects are for a short hay crop. He who has a full silo, however, is more or less independent of the hay crop, and will have cause to rejoice in this possession in the winter of 1917 and 1918.

And let us here sound a note of warning. The general tendency is to delay silo orders until the corn crop is almost ready to harvest, or at least until the prospective builder is assured of a good crop. This policy seldom resulted in inconvenience when silo manufacturing was a small line with big lumber companies. Now the manufacture of stave silos is an important main line with most companies and silos ordered late may not be delivered. To insure full feeding next winter plan for a good acreage of corn and order your silo now.

When the Shoe Pinches

B INDER twine will be more expensive in 1917 than ever before. Many factors will contribute to the increased price, such as the curtailment of the Irish supply and the high cost of labor in twine factories. Of equal importance with either of these factors, is the fact that the

FARM AND DAIRY

Mexican binder twine trust is still dictating prices for sisal, the raw material from which binder twine is made. The International Harvester Company has contracted for approximately onetenth of all the sisal grown in Yucatan, Mexico. paying the combine's price of ten cents a pound. It is anticipated that the prices will be advanced shortly to twelve and one-half cents.

And what is this Mexican binder twine trust? If our information is correct, it is nothing more than a farmers' cooperative company, and the only difference between it and our own cooperative companies is that nature has conspired to give Yuca tan farmers a monopoly on their product. We understand, too that the price, cost of production being considered, is not unreasonable, although it is going to increase the difficulties of the grain growing farmers of America. Of course, Canadian farmers are glad to hear of cooperative progress among farmers of other lands, but at times, well, the shoe pinches a little.

Appearances Count

FEW years ago a story went the rounds of A the agricultural press, and was published in Farm and Dairy, of a farmer who invested in a few gallons of white paint and covered every building on his farm. The farm had been some what out at elbows and the buildings particularly so. The white paint wrought a wonderful transformation. It gave the place a smart, almost prosperous appearance. It made such an impression on the local banker that when the farmer appeared in his private office, desiring a loan with which to carry out more extensive improvements, the banker gave it to him without question.

The foregoing may be only a story, but here is a similar case, the authenticity of which we can guarantee. This farmer, too, was in debt. He needed machinery, better stock, a silo, and other things that he did not have the capital to provide. He was determined, however, that his homestead should look like a home. He and his wife believed in paint and flowers, shade trees and neat walks, fences and tidiness and they had these things. A wealthy retired farmer living nearby decided that "any man who takes pride enough in his place to make it beautiful will pay for it if given a chance," and he loaned his poorer neighbor the capital he needed.

That was several years ago. The loan, we are told, is not yet entirely repaid. Fortunes are not made easily on the farm. But the interest has been paid regularly and also some of the principal. Just another proof that appearances count.

Hasten Cream Grading

THE Ontario Dairy Standards Act aroused a storm of opposition, such a storm that the Department seems now afraid to touch it in any shape or form. It should not be forgotten however, that this opposition was largely directed against those clauses of the Act relating to the payment for milk at cheese factories. So far there has been no serious objection to the clauses relating to cream grading. The act has been heartily endorsed by the creamery men of Western Ontario, and has the equally whole-hearted support of many of the leading creamery men of Eastern Ontario. Some good preliminary work has been done in government grading and inspection of butter. Creamery men as a whole are satisfied that grading is desirable and must come. Then why such inaction?

The need for grading is not so apparent as real. Butter prices are good, demand is strong. enjoy a good foreign market for all our surplus butter. In fact, butter of any quality now sells readily. We are apt to forget that these conditions will change. With the end of war, and the war will not last forever, Denmark, New Zealand, Australia, and even the growing dairy interests of Russia, will be searching for new and larger mar-

kets for their surplus output. In competition with their superior products, Ontario creamery men will find it difficult indeed to hold the place that they now do on the British market. And competition will not come only from abroad. The prairie provinces are now supplying their own needs, and the British Columbia butter market. This past year they shipped several cars of butter to Toronto and Montreal. Competition from the West is bound to become keener and keener. When peace comes and normal trade conditions are restored, Ontario creamery men must be prepared to meet quality with quality. The experience of the West backs us up in our conclusion that cream grading is the most efficient method or improving the quality of Ontario's butter. Its institution lies with the government.

Financing the Farmers' Movement

THE suggestion that was made recently by President B. C. Tucker, of the United Farm ers' Cooperative Company, Limited, that the locals should assist the central company in financing its operations, is one which is likely to be attended by important results for the farmers' movement. Great trouble and annoyance has been caused in the past, not only to the members of the local clubs, but to the central organization as well, through failure at times to obtain prompt release of cars after they have reached the locals It has frequently happened that members of locals have driven in expecting to obtain goods shipped in these cars, but have failed to do so through the necessary release not having been obtained. The difficulty of obtaining prompt releases in the past has been due largely to inadequate banking facilities

That the Central Company has been doing all in its power is indicated by the fact that its account with its bank in Toronto in connection with the handling of such cars was recently overdrawn by \$50,000 with the result that the bank would not allow any further extensions of credit, and thereby prevented the company from obtaining prompt release of a number of cars that had been sent forward to the locals. Mr. Tucker suggests that local farmers' clubs shall establish a line of credit with their local banks to whatever extent may be necessary, and that their local banks shall advise the bank of the Central Company in Toronto that they will guarantee the accounts of their locals with the Central in Toronto to whatever sum may be agreed upon. Such an arrangement would enable the Central Company to secure prompt release of all cars, as it would not be necessary for it to attach a draft to the bill of lading. The matter is being looked into by the officers of the Central Company at Toronto. It is to be hoped that the suggestion can be carried out by the locals throughout the province.

The Only Taxed Industry

RAMING is like any other business; when it pays it will make progress, and when it is carried on at a loss it will decline. That farming does not pay explains the whole cause of the deplorable condition of farming in Ontario The main reason why farming is unprofitable is because it is the only industry in the country that is taxed under our fiscal system. All other industries are enabled to add their taxes to the selling price of their products.

The old saying, "The farmer feedeth all," was never more an actual experience than it is to-day. but until our fiscal system is completely revised. and the feeding process made profitable, all appeals for "more protection" will be worse than useless. Taxation on food production is Canada's greatest political crime. When will the government, or the opposition, awake to this fact? The trouble is that both parties are controlled by the bounty-fed autocracy of combines.-Forest Free Press.

The Spiri

The Farmer a W of 1915 we shall real struggle fe peace or war, Canadians under is now the figh our lives on the broad acres? broad acres? , quests, all our n industrial trium; we cannot get fo

If the Harvest

THE war has of men off of acres Europe is produ top of this has c parative crop fail exporting countri The world has n three months' fo this surplus now The Daidy News start a panic, but eral harvest failur six months would considerable porti race to starvation

Is the World to

I T is almost imp dian to imagine able shortage i supply could do !! He feels that such of course, put price not like that, but himself actually de thing he wants in

Millions of peopl ing without, are liv little food as they that the deprivation are Lut a foretast Want that is to fo age Canadian is no pressed by all this ood shortage and The average Canad age American, has formed notion that

A PLEASANT JO ON

THERE is an tion open of staff of Farn a couple of you farm and business throughout the work will recommend to the work will reco throughout one-ha probably with an interviewing men ing agents for this paper; also pickin tion for our Edi ment.

Travelling expe met, a salary pain names furnished. to be covered will and routed. Eve necessary will be o office. We want th ploy in this work ful and qualify for position on Farn position on Farm staff. Write us fully experience, age, photo if possible. turned.

Promotion Dep

(13)

The Spirit of The Press

The Farmer a Fighting Man E need a better crop than that of 1915 to let us out, and then we shall start 1918 away behind. The authorities tell us that the hind. The authorities ten us that the real struggle for life, whether it be peace or war, will be in 1918. Do Canadians understand that the farmer

is now the fighting man, fighting for our lives on the battlefields of his broad acres? All our military conour lives on the battlefields of his broad acres? All our military con-quests, all our naval victories, all our industrial triumphs are as nothing if we cannot get food.—The World.

If the Harvests Fails

HE war has taken many millions of men off the land and millions of acres out of production. Europe is producing only a fraction of what it did in peace-times, and on top of this has come a series of comparative crop failures in a number of exporting countries outside of Europe. exporting countries outside of Europe. The world has never had more than three months' food ahead, but even this aurplus now nears.

The Daidy News does no want to start a panic, but anything like a general harvest failure during the coming six months would probably condemn a considerable portion of the race to starvation.—The News. the human

Is the World to Face Famine?

T is almost impossible for a Canadian to imagine that any conceivable shortage in the world's food supply could do him any real hurt, feels that such a shortage might, of course, put prices up, and he would not like that, but he cannot imagine himself actually doing without a thing he wants in the way of food.

Millions of people elsewhere are do-ing without, are living carefully on as ins without, are living carefully on as little food as they can, and realize that the deprivations already endured are Let a foretaste of the universal Want that is to follow, but the average Canadan is not as yet much impressed by all this talk of a general food shortage and of famine abroad. The average Canadian, like the average Canadian, like the average American has agained, as the control of the contro age American, has, perhaps, a half-formed notion that famine is the sort

A PLEASANT JOB FOR SOME. ONE.

HERE is an excellent position open on the salaried staff of Farm and Dairy for a couple of young men, with farm and business experience. The work will require travelling throughout one-half of Ontarioprobably with an automobileinterviewing men and appoint-ing agents for this valuable dairy paper; also picking up informa-tion for our Editorial Depart-

Travelling expenses will be met, a salary paid, and lists of names furnished. The territory to be covered will be mapped out and routed. Every assistance necessary will be given from this office. We want the men we employ in this work to be successful and qualify for a permanent position on Farm and Dairy staff. Write us fully, stating your staff. ploy in this work to be success. experience, age, etc. Send a photo if possible. It will be re-Promotion Department,

FARM AND DAIRY,

of thing that foreigners may expect, living as they do in foreign countries.

For Greater Production

66TN the face of the steadily accumulating evidence that we are threatened with a world wide A threatened with a world wide shortage of food, it plainly becomes the duty of everyone of us to assist to the uttermost of our ability in ob-taining a greater production from the soil," writes Mr. G. M. Murray secre-lary of the Canadian Manufulturers' Association to members of the Association. He follows with a strong plea to manufacturers to release any to manufacturers to release any or their employees who have a know-ledge of farm work. "

The Ottawa Greater Production Committee, affiliated with the Ontario Resources Committee, will petition the Dominion Government to take action under the War Measures Act to suspend the Lord's Day Observance suspend the Lord's Day Observance Act as it applies to farm labor for seeding and harvesting work, urging that such action would be justified by the present need for greater food prothe present need for greater food pro-duction. It is noticeable that the origin of this petition is from a city, not a farmers', organization.

In discussing the food situation, Mr. R. S. Whyte of the Whyte Packing Cq., Toronto, said that he would favor Food Controller for Canada as the only means, perhaps, by which a maximum price could be arranged. Salo "Farmers should be made an offer he: "Farmers should be made an offer of a fixed price for the next three years. In hogs, for instance, the Government should make cents. That would mean that farmer would go in for conservation, and increased production together, and increased production together, and we should have a greater supply now and later. The farmer now is simply sfraid to so on because he does not know when the present prices are soins to simply away down. going to slump away down.

The Hon. Martin Burrell, Dominion Minister of Agriculture, was asked in the House last week as to the where-abouts of the potato surplus reported by his department some weeks ago. In reply the Minister stated that at the end of February there were a million and a half bushels of surplus in Can-ada over what was required for food and seed, the surplus being largest in and seed, the surplus being largest in Alberta, Prince Edward Island and New Brunswick. Since then half a million bushels have been exported, reducing the surplus to a million

Investigations conducted by a correspondent of the Toronto Globe in Peel, Halton, Waterloo, Wellington and Norfolk counties show that the and Nortolk counties show that the farmers in these five counties do not expect more than half a normal fall wheat crop in 1917. The acreage is reduced by 20 to 25 per cent, and some cases fall wheat is being plowed as the case of the up and resown with oats, peas, barley and other spring crops.

Representatives of the poultry in-dustry in Ontario met last week with the Resources Committee to confer on methods of increasing production of poultry products. A committee of expert poultrymen was appointed to adpert poultrymen was appointed to advise with the Resources committee as to what could be done. The personnel of the committee is a follows: Wm. Barber, hon. president Western Ontario Poultry Association; J. B. Peach and Confederation of Local Poultry Associations of Opinion. try Associations of Ontario; Prof. W. R. Graham, of the Ontario Agricul-R. Granam, of the Ontario Agricul-tural College; J. Lockie Wilson, super-intendent of Agricultural and Horti-cultural Societies; Robert H. Essex, editor of Canadian Poultry Journal, Hamilton; W. R. Roho, of Hamilton.



Why you should buy a NEW DE LAVAL

GREATER CAPACITY: Without increasing the size or weight of the new bowl,

SELF-CENTERING BOWL: The bowl is loosely supported upon the spindle and will run true and do perfect work even after long wear.

SKIMS CLOSER: The improved bowl design, together with the patented milk distributor, gives greater skimming efficiency.

DISCS INTERCHANGEABLE: All discs are exactly alike, are unnumbered,

FEWER DISCS: There are fewer discs in the bowl, although the capacity is greater, EQUIPPED WITH SPEED INDICATOR: Every New De Laval is equipped with a Bell Speed Indicator, the "Warning Signal" which insures full capacity, thorough exparation, proper speed and uniform cream.

EASIER TO WASH: Simpler bowl construction and fewer discs, caulked only on the upper side, make the bowl easier to wash.

EASIER TO TURN: The low speed of the De Laval bowl, the short crank, its unusually large capacity for the size and weight of the bowl, and its automatic oiling throughout, make it the easiest to turn and least tiring to the operator.

THE MAJORITY CHOICE: More De Lavals are sold every year than all other

TIME "ESTED: The De Laval was the first cream separator. It has stood the test of time and maintained its original success and leadenship for nearly 40 years.

SERVICE WHEN YOU NEED IT: The world-wide De Laval organization, with 50,000 agents and representatives ready to serve uses in almost every locality where cows are milked, insures the buyer of a De Laval quick and efficient service

If you haven't the spare cash right now, that need not stand in the way of your getting a New Da. Lard at once. We have an arrangement with De Laval agents which make it possible many reputable farmet to secure a De Laval on the puttil payment plane—a small payment with the time of purchase and the balance in several installments—so that your De Laval will actually pay for fastle while you are uning it and getting the benefit from it.

THE DE LAVAL COMPANY, Ltd.

LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA Sole manufacturers in Canada of the famous De Laval Cream Separators and Ideal Green Feed Silos. Alpha Gas Engines, Alpha Churna and Buttermakers. Catalogues of any of our lines mailed upon request.

MONTREAL

PETERBORO

WINNIPEG

VANCOUVER

ST. ARMAND, QUEBEC.

WATER WELLS DRIVEN AND DRILLED

To any depth, to insure a permanent supply for Cities, Towns, Manufacturers, and Farms. Pumping outfits. Our work is the kind we do not have to apologize for. Write for our circular which is FREE J. E. FEELEY & SON

When You Write Mention "Farm and Dairy"

May 10, 1917.

course in London. Then she went to was so sorely neede men of high caste ca by women doctors. as well as the poor plague epidemics h numbered in thousan

At the famous Du-corated by her King the royal medal for vice. She was asked of, when it was ping she answered, "Will back to school? Is We can fancy we ca "yes" of all those sh her 25 years of servi for her Lord.—I. H. N

Geranic

Wm. Hunt, O.A.C.,

O secure good ger flowering in win spring. A nice plant three and a half or fo a six or seven-inch pedding-out time and potting soil, will mak for winter flowering. to the rim out in the early in June. Pinch shoot out when abou length until about t

in July. This induces

growth.

Keep all the bloc pinched off until the m placed on until the mi Lift the pot from the r September and bring I dow when it should ter. The plant should water at the roots du mer when plunged After bringing it into t liquid fertilizer should plant about every 10 de sold at seed stores, is food for pot plants.

OUR FARM HOMES

E shall be judged not by what we might have been, but what we have been .- Sewell.

Winning the Wilderness

(Continued from last week.)

Synopsis of Preceding Chapters.

Synopsis of Preceding Chapters.

N his return from the Civil War, Ashre Aydelot, the hero of the story, and the story of t

HY, Josephine, my queen, my queen, where are you hiding? I've danced an extra, waiting for you. Todd Stewart, I'll have to kill you yet to-night. What do you mean by breaking up my party?" Thaine caught Jo's arm and with a mock thrust at Todd he whirled her

into the house.

"Did you really miss me?" Jo's big dark eyes were fastened on Thaine's

"More than tongue can tell. Who
wouldn't miss you?" Thaine's syes
we shaining mischievously.
"Iteleh Shirley wouldn't," Jo said
softly and half saily.
Something impenetrable dropped
before Thaine's face.
"Let's go out to the honeysuckle
arbor and not dance now. I'm so
tired," Jo murmured, with a sweet
pleading in her voice.

pleading in her voice.
"I fixed it just for you," Thaine de-clared as he led the way to the moon-

clared as he led the way to the moon-lit lawn and shadowy seat.
"You are so good to me, Thaine.
What makes you do so many things just for me? I know you don't really care for me. You are so different from most farmers' soms." Jo's head dropped a little and she put one handon his arm

"I can't help being good to folks. "I can't help being good to have it's just the angel in me," Thaine declared. Then he added seriously, "I wish I could do something for you, Jo. All the boys are wild about you to-night. You are a picture."
She was beautiful at the moment,

and as she lifted her eyes to and as she lifted her eyes to his something in their shining depths spoke witchingly to the youth of nineteen, untrained in ways of feminine coquerty. He was only a country boy, unskilled in social tactics, but a combination of timidity and good breeding shaped his ideals and his

"I don't care for all the boys," Jo "Then we are hopelessly bankrupt,"

"Isn't this a won-Thaine declared. derful night?"

derful night?"
"Yes, and father and mother are going home so early," Jo said.
"Well, your whole wardoe is over here; why not stay all night? You can help Rosie and mother and me to-morrow. There are plenty of Benningtons left at your home without you, and mother will want you," Thaine urged. Thaine urged. "Do you want me to?" Jo asked

"Tremendously. We'll eat all the ice cream that's left when the crowd goes and have the empty mansion all to ourselves," Thaine declared.
"We are to dance the last dance to

gether too," Jo reminded him.

"Let's run in now. The crowd doesn't miss me, but I'm host, you know, and they're gasping for you. They'll be scouring the premises if e wait longer."

As Thaine lifted Jo to her feet there was a glitter of tears in her bright eyes. And because the place was shadowy and sweet with honeywas shadowy and sweet with honey-suckle perfume, and the moonlight entrancing, and Jo was very willing, and tears are ever appealing, he put his arm around her and drew her close to him, and kissed her on each cheek. Jo's face was triumphant as they met Leigh Shirley at the dining room

"What's the next case on docket, igh?" Thaine asked, dropping Jo's

Jealousy has sharp eyes, but even Jealousy could hardly have found fault with the friendly and indifferent look

on Thaine's face.

"Why, it's my first with you, Leigh.
Who's your partner, Jo?" Thaine con-

Two or three young men claimed the honor, and the music began.
"Mrs. Aydelot, Thaine has asked me
to stay all night," Jo said, as the

figures were forming.
"It will please us all," Virginia said

graciously, and Jo tripped away.
When the strains of music for the last dance began Jo looked for Thaine, but he was nowhere to be

men rushed toward Jo as she stood portunity escape him. And the dance portunity escape him. And the dance began. A minute later Thaine came in with Leigh Shirley. Smilling a challenge at Todd, he caught Leigh's hand and swung into the crowd on the floor.

The older guests were already gon The music trailed off into a weird, rippling rhythm, with young hearts beating time to its melody and young feet keeping step to its measure. Then the tired, happy company broke into groups. Good-bys and good wishes were given again and again, and the

party was over.

The couples took their way up or down the old Grass River trail or out across the prairie byvoods, with the moon sailing screen down the west. Everybody voor live the fleet party down the west. Everybody voor given to Grass River. And nobody at all, except his mother and John the control of th down the old Grass River trail or out

turned to Jo, saying:

"I'm sorry about that last dance, but I'll forgive Todd this last time. not rit torgive road this tast time.
Rosle cut her hand on a glass tumbler she dropped and I was helping Leich to tie it up when old Bo Peep starts to take home. Got your draperies on a roady. The convision with a not the take home. Got your draperies on already. The carriage waits and the black steed paws for us by the chicken yard gate. Goodnight, gentle beings." And taking Lagh's arm, he led her away.
"Gimphe is as awkward as a cow,"



Champlain Market in Quebec City.

Jo Bennington declared, "and

stupid to know what's said to her."

But Rosie Gimpke, standing in the shadows of the darkened dining room, was not too stupid to understand what ras said about her. And into her stolid brain came dreams that night of a fair face with soft golden brown hair and kindly eyes of deep, tender blue. Stupid as she was, the woman's instinct in her told he- in her dreams that the handsome young son of her employer might not always look his thoughts nor dance earliest and oftenest with the girl he liked best. But Rosie was dull and slept heavily and these things came to her sluggish

and these things came to her singgish brain only in feeting dreams. Thaine and Leigh did not hurry on their homeward way. And Jo Ben-nington wide awake in the guest room

found. She waited impatiently and the angry glittler in her eyes was not unbecoming her imperious air.

Bo Peep did not wait long, for he was getting tred. Half a dozen young without toward the was recommended to the state of the same did not wait to the same did not and slipped up stair: unheard by all the household except herself. "Let's go down by the lake," Thains

suggested as he and Leigh came to the edge of the grove. "It's full to the bridge, and the lilies are wide open now. Are you too sleepy to look at them? You used to draw them with chalk all along the blackboard in the old schoolhouse up there."

"I'm never too sleepy to look at water lilies in the moonlight," Leigh replied, "nor too tired to paint them, either. either. Lilles are a part of my creed. 'Consider the lilles, how they grow.'"

"With their long rubbery stems, up out of mud mostly," Thaine said care-lessly. "I pretty nearly grew fast along with them down there, till I learned how to gather them a bettter

The woodland shadows were thrust through with shafts of white moor-beams, giving a weird setting to the silent midnight hour. The odor of woods' blossoms came with the moist, fresh breath of the May night. There was a little song of waters gurgling down the spillway that was once only a dry draw choked with wild plum bushes. The road would pleturesquely through the grove to a bridged driveway that separated the lakelet into two parts. A spread of silvery light lay on this driveway and Thaine checked his horse in the midst of it while the two looked at the waters.

"It's all just silver or sable. There's no middle tone," Leigh said, looking at the sparkling moonbeams reflected on the face of the lake and the dark-ness of the shadowed surface beyond them.

"Isn't there pink, or creamy, something softer in those lilies right by the bank? I'm no artist, but that's how it looks to a clod-hopper," Thaine

"You are an artist, or you wouldn't "You are an artist, or you wouldn't catch that, where most anybody woull see only steely white and dead black. It is the only color in this black and white woodsy place," Leigh insisted, looking up at Thaine's face in the sh dgw and down at her own white

"There's a bit of color in your cheeks," Thaine said, as he studied the girl's fair countenance, all pink and white in the moonlight.

"Oh, not the pretty blooming roses like Jo Bennington has," Leigh said, smiling frankly and folding her hands contentedly in her lap.

Thaine recalled the seat under the honeysuckle, and Jo Bennington's pleading eyes, and bewitching beauty, and the touch of her hand on his arm, and her williagness to be kissed. He was flattered by it all, for Jo was the belie of the valley, and Thaine thought himself in love with her. He knew that the other boys, especially Fodd Stewart, Jr., envied him. And yet in this quiet hour in the silent grove, with the waters shimmering below them, the gentle dignity of the sweet Thaine recalled the seat under the them, the gentle dignity of the sweet-faced girl beside him, with her purity and simplicity wrapping her about, as the morning mists wrapped the far purple notches on the southwest horizon, gave to her presence there an in-

fluence he could not understand.

Thaine had never kissed any girl except Jo, had never cared enough for any other girl to think about it. But any other girl to think about it. But to night there suddenly swept through mild the thought of the joy that as waiting for some man to whom Leigh would give that privilege, and without any self-analysis (boys at nineteen analyse little) he began to hate the man who should come sometime to claim the privilege.

"Leigh, don't you ever feel jealous (Continued on page 17.)

The Courag

The Upward Look

The Courage That Wins

The Courage That Wins

EVERY purpose of the Lord shall be performed—Jer. 51: 29.

I cannot remember when I have read at story of a life that tells of such courage and determination as one of the courage and determination as one of the courage and such courage and determination as one of the courage and determination as one of the courage and the such as the courage and the courage and the such as a missionary. But also heavily handicapped, as she had was heavily handicapped, as she had was heavily handicapped, as she had one of the courage and the cour ter gave her books to prepare for en-

In a few months she returned in des-In a few months ahe returned in des-pair, declaring she could not study as she did not know how. After a few more months of hard fruitless work she returned again and announced with determination that she was going back to Public School. And go back she did; she, 22 years of age, recting with children and praying over and over that they would not make fun of her. At the end of the term she was her. At the end of the term she was admitted after triumphantiy passing into the High School, from which four years after she entered upon her medical course, followed by a post-graduate course, is Landon to the course in course in London.

Then she went to India where she was so sorely needed, as all the wo-men of high caste can be treated only by women doctors. She treated them as well as the poorest. In the great plague epidemics her patients were numbered in thousands.

At the famous Durbar she was de-corated by her King and Queen with the royal medal for distinguished ser-vice. She was asked what she thought vice. She was asked what she housen of, when it was pinned on, to which she answered, "Will it pay you to go back to school? Is it worth while?"
We can fancy we can hear the glad "yes" of all those she has helped in the state of the state of the same of sorters for them and her 25 years of service for them and for her Lord.—I. H. N.

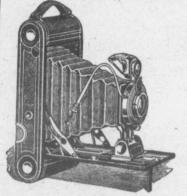
Geraniums

Wm. Hunt, O.A.C., Guelph, Ont.

To secure good geranium plants for flowering in winter, stips should be taken in the fail or early spring. A site plant potted from a three and a half or four-inch pot tinto a six or seven-inch pot in June in beddings time and put into good politing soil, will make a good plant for winter flowering. Plunge the pot for rim out in the open ground early in June. Pinch the tips of each out out when about eight inches also to the winter of the should be sho O secure good geranium plants for

Keep all the blooms and buds pinched off until the middle of August, piached off until the middle of August.
Lift the pot from the ground early in
September and bring it that the window when it should fine the winter. The plant should have plant water at the roots during the
mer when plunged in the ground.
After bringing it into the house some
liquid fertilizer should be given the
plant about every 10 days. "Bonors,"
sold at seed stores, is the best plant
food for not plants. food for pot plants.

MADEIN CANADA



The camera fits the bocketthe picture fits the view

No. 2C Autographic Kodak Jr.

Price \$14.00

The newest of the Kodaks makes a new size picture -2% x 4% inches - a shape that fits the view, a proportion that's ideal for home portraiture.

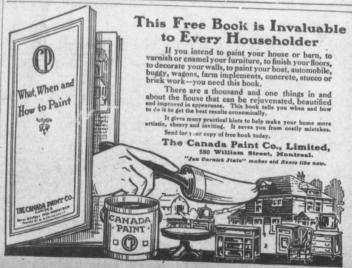
A typical example of Kodak simplicity, it can be used successfully by anyone, no skill or previous experience being necessary.

Fitted with Rapid Rectilinear lens and Kodak Ball Bearing shutter, covered with genuine leather, and made in the factories where honest workmanship has become a habit.

Of course it's Autographic-you can date and title as you take.

Kodak catalogue free at the dealer's, or mailed by us on request

CANADIAN KODAK CO., LIMITED TORONTO, CAN.











WINDMILLS Grain Grinders, Water Boxes, Steel Saw Frames, Pumps, Tanks, Rte.

GOOLD, SHAPLEY & MUIR CO., LTD. Brantford, Winnipeg, Regina, Calgary.

When You Write--Mention Farm and Dairy

Where Shall Our Institutes Hold Their Meetings?

FEEL rather diffident in airing my opinions on this subject, as I have been an Institute member only two years, and there is much to be said on both sides. In fact, I believe depends entirely on the circumstances of the individual Institutes as to which is the better way. I feel somewhat in the position of the little girl, who, when asked if she liked papa or mama best, replied, "I like

Meeting in a central hall seems to suit best in small towns where most of the members live near and where the Institute has been in existence several years and has reserve funds from which to draw for rent and for the purchase of necessary furnish-It is good to feel that the Institute has a permanent "Home."
There will be more space and possibility for undisturbed meetings. sibility for undisturbed meetings. Here members can meet for special lectures, for Red Cross work and can hold exhibitions, flower shows, etc.

Before our local Institute was form ed last year, I belonged to one in the nearest town 10 miles distant. That Institute meets in a large disused hall institute meets in a large under that, which they are fortunate in renting for a very moderate sum. It is furnished with table, chairs, cupboards and a good range. The latter is used for heating water, for cooking demonfor heating water, for cooking demon-strations and for heating the room in winter. In the cupboards are kept the library books, also a set of dishes owned by the Institute and a supply and sugar-all these veniences being much appreciated by the members, especially by the hos-

The Personal Touch

At Tappen, circumstances are different. The only hall at all central is the little old school house, now used for church services, Sunday school, debates, etc. It is closely filled with pews in the midst of which is a heater and no other conveniences. Be sides, funds were scarce, so at the in-augural meeting "house to house" meetings were agreed upon by a large majority. This has proved most convenient for mothers who are obliged to bring one or more small children with them, especially in winter, and all feel more at home, for there is that "personal touch" and welcome which is lacking in a hall.

I believe the social time following the meeting is of great benefit to all, and is much more needed and appre-ciated by us in the heart of the country than by our sisters in even small towns, which is only natural. It is argued that meeting in a house gives the hostess more work, but then a deal of work is saved by having the home conveniences at hand, and I believe the necessary preparations are usnally a pleasure. Then there is the incentive to beautify one's home and surroundings as much as possible, and there are usually home contrivances and improvements one can copy to advantage.

There are members as much as 12 miles apart. These would go years without visiting each other were it not the monthly outings. Some may think the long distances an argument in favor of a permanent meeting place. We met the difficulty by planning an informal picnic to a member living on the outskirts of our district. The other members arrived during the morning, with lunch baskets and so all were refreshed and rested and on the spot when meeting time arrived. We find that our daily duties do not

Circumstarces the Deciding Factor
"Africander Lily," Vale, Cariboo Dist.
B.C.
(Premium Article.)

[PEELI, repther difficient in airing my...]

when we can sit out of doors.

Besides working at home for the
Red Cross, a member will invite all
interested to her home. These bring lunch and several sewing machines, the result being a good stack of work done and a pleasant time spent.

In summing up I would say that where there is a young Institute in a rural community such as ours, we cannot do better than meet in the homes for some time to come. Later on we shall probably feel the need of a permanent meeting place, preferably owned by the Institute—with a Rest Room and Library. But at present we using our energy and funds in other directions.

House to House Plan the Best Mrs. A. J. Alexander, Parry Sound Dist., Ont.

UR institute is a purely rural one. From the most central point in our neighborhood our members live within a radius of two and a half miles. Thus the distance is too great for busy women to walk with comfort attend the meetings. Then when they must drive, two or more mem bers who live near each other usually go together. The hostess generally has someone to care for the horses, thus relieving the ladies of that responsibility, which they necessarily would have if the meetings were held in a public building.

The plan which we have found most satisfactory is for each member to have the meeting in turn. For example, Mrs. A., our member on the extreme west, has the first meeting at her home. Mrs. B., her nearest neigh-bor to the east has the next meeting at her home. The following month our Institute is held at Mrs. C.'s, the next member to the east, and so forth. Then each member knows months be forehand when her turn will come and it also helps to simplify the work of the secretary, whose duty it is to ar range the place of meeting.

The house to house plan saves our Institute the expense of rent for hall, eating in winter, etc. There is less restraint in a home than in a public building. Timid members will express their opinions more readily if grouped with other women in their neighbor's sitting room, than if they were in a public building.

Light refreshments are served after work of the afternoon is completed and certainly this is more easily provided in a home than in a cen-tral meeting place. The hostess pro-vides the lunch, but one or more members help to serve it. After lunch our time is given up to a social time. Sometimes music is provided, or other entertainment by the hostess and sometimes we just enjoy friendly conversation. We find for a rural community that the house to house plan is much more satisfactory.

Why Not Try Both Methods

Mrs. Chas. Cummings, Peel Co., Ont. DISCUSSION on the subject of which proves most successful, the house to house plan of holding Women's Institute meetings or the central meeting place, should prove very interesting and I hope that many women will send along their ideas. am sending mine to help swell the

It has occurred to me that it would be a good idea to try out both plans.

Why not have a central place for the winter months and go from house to house during the summer? In winter the roads are often beavy and it is not very pleasant for women to drive around alone. Then if meetings were held at the shomes of the members, there would be the difficulty of finding stable room for the horses of the visitors. On the other hand if a central meeting place was provided, in all probability the menfolk would be glad of an excuse to go along to look after the horses and enjoy a chat while the women were having their meeting. Even if the men did not go along, sheds are usually easy of ac cess in the village and it is not much trouble to drive into the shed and tie up for an hour or two.

In summer, however, it seems to me that the ideal way is to go from house to house. It is a splendid way to create a friendly atmosphere throughout the Institute. Another point worthy of considering is the fact that some women in the community feel that they are not "cut out" for taking part in the meeting, such, for instance, as giving a paper on some practical subject. These very women make ideal hostesses, though, and en-joy having members come to their homes. By taking part in this way, they are made to feel that they are of value to the Institute, and they certainly are. I think there is a danger of the wrong spirit creeping into the social part of the meetings in the house to house plan, if it is not guarded against. Members will sometimes vie with one another to have their re-freshments just a little more elaborate than those served at the last meeting. This difficulty can be overcome quite easily by making it a rule that the refreshments must be kept down to a ertain limit and have them simple, so that the preparation of them need not be burdensome for any member. Then this rule should be enforced.

Favors Central Place of Meeting Mrs. Dan Beaton, Grey Co., Ont.

AM in favor of having a central meeting place for our Institute for several reasons. If the meetings are held in a central place, all mem bers have the same chance of being present, as in the country where many women have to walk, it is difficult to attend the meeting, held in distant parts of the community. A hali or some such public building is usually selected as the central where a stove will be found and refreshments can easily be served without tiring anyone in the preparation of them.

Another point in favor of the central meeting place is that everyone can feel at perfect liberty to attend. We sometimes find that hard feelings exist between two members and if the meeting is held at either of their homes, the other member course be absent, while at the central meeting place, all have the same privilege, if it is necessary in winter to drive to a meeting held at the home of one of the members, the horse stable is usually full and there is no place for the horse of the present of the course homes, the other member will of is no place for the horses. On the other hand, a shed is frequently located within easy access of the central place of meeting. Taking these points into consideration therefore, I favor the central rather than the house to

Canned spinach may be made into a very appetizing dish if escalloped with a white sauce, covered with buttered crumbs, and baked until brown. Cabbage, onlons, turnips, carrots, and parsnips may be served in the same HON

May 10, 1917.

Fducation a

WHAT typ one wit and good traini keeping and he terfly kind, wh of her time in what she calls inclined to this which appeals t men and it is a case. I have con account of t women we find not marry. So tact with splen have a broad o cheery, capable, makers. And ve through life sin

If this type were to follow more frivolous a would, no doubt of men and be young woman w ever, is desiron education and tr der that she ma homemaker and earnest to fit her it will sometimes men pass her by her good qualitie

How can this come? Does it make to lower the constitutes a go that a small am all that is requir means. The need cation in wome men. Men must instead of seco enough for them, type of womanhor to grace their he have as their idea nobly planned; t hear the opinions members on the -"Here's Hoping.

> Winning the (Continued 1

of Jo?" He didn't the question. Leigh gave a lit "Ought I?" she i

"She hasn't anythi The deep violet flashing and spark ton's coquettish ga "That was an id Thaine admitted.

sure enough?" "I wish I had so Leigh changed the "Hold the horse, them. I keep a h long stick hidden a pose to cut them f

Thaine jumped ou ran down to the en where the creamy dark waters near th

"Be careful of yo as he came back an of biossoms with stems up to Leigh. your Prince Quippi your love letters, will for postal service? a letter down the old

HOME CLUB

Education a Blessing, or Otherwise

HAT type of woman does the average man prefer? Is it the one with a thorough education and good training in the arts of house-keeping and homemaking, or the butterfly kind, who spends a great deal of host time, in and assemble to have time. terfly kind, who spends a great deal of her time in endeavoring to have what she calls "a good time?" I am inclined to think it is the latter type which appeals to the majority of young men and it is a shame that such is the case. I have come to this conclusion on account of the number of educated on account of the number of educated on account of the number of educated women we find in the women we find in the women we marry. So often we come in contact with splendid young women who have a broad outlook on life, are cheery, capable, and impress us as being the very type to make real homemakers. And yet we find that they go through life slight.

through life single.

If this type of young womanhood were to follow the example of their more frivolous and giddy sisters, they more frivolous and glody sisters, they would, no doubt, captivate the hearts of men and be sure to marry. If a young woman with high ideals, however, is desirous of getting the best education and training possible, in oreducation and training possible, in or-der that she may be a successful homemaker and settles down in real earnest to fit herself for this life-work, it will sometimes be found that young men pass her by without recognizing her good qualities.

her pass mer by wissons recognising her good qualities.

How can this condition be overcuted been mean that women will be a second to the condition of the co nave as their uear. A perfect woman, nobly planned; to warn, to comfort and command." I would be glad to hear the opinions of other Home Club members on the subject of why edu-cated women oftentimes do not marry. -"Here's Hoping."

Winning the Wilderness

(Continued from page 14.)

of Jo?" He didn't know why he asked the question.

the question.

Leigh gave a little laugh.

"Ought I?" she inquired, looking up.

"Ought I?" she inquired, looking up.

The deep violet eyes under the long
lashes were beautiful without the
flashing and sparkle of Jo Bennington's coquettish gaze.

"That was an idiotic thing to ask,"
That has a mitted. "Why should you,
sure enought."

sure enough?"
"I wish I had some of those lilies."
Leigh changed the subject abruptly.
"Hold the horse, then, and I'll get them. I keep a hooked knife on a long stick hidden down here on purpose to cut them for me mummy, on occasion."

Thaine jumped out of the buggy and ran down to the end of the driveway where the creamy lilies lay on the dark waters near the bank.

"He careful of your dress," he said, as he came back and handed a bunch of biossoms with their trailing wet stems up to Leigh. "Do you remember your Prince Quippi off in China, and your love letters, with old Grass River for postal service? Will you send me a letter down the sold Kaw River when

I go to the Kansas University this send to Prince Quippi."—There was a sudden pathos in her tone.

"As sunflower letter like I used to send to Quippi." Leigh asked.

"Any kind of a letter. I'll miss you more than anything here, except my left face, will adainly in the soft the beloved chores about the farm,"
Thains responded.

"I will write all the letters you!"
Laish loaked an with here's no teiling."

Thaine responded.

"To will write all the letters you'll have time to answer" Leigh asserted. of have time to answer" Leigh asserted. of have time to answer the leigh asserted. of her papaw is elected to compty Tree for paramy is elected to the transparence. The proposed in the University together. You'll have to write to me, Leighlie."

"Not unless you go to China. I'll send you a letter there like I used to come back again—an—and there is

so much for me to do when he is gone the has been such a kind helper all these years. His refined taste has meant so much to me in the study of

painting, and I need him now."

Thaine gave a low whistle of sursem, but I would if I was over there, prise. Leigh's eyes were full of tears, and I may go yet. There's no telling." but Thaine would not have dared to Leigh looked up with her eyes full take her in his arms, as he had taken Jo Bennington.

"Little neighbor, we've been play-mates nearly all our lives. Can't I help you in some way?" he asked gently.

(To be Continued.) Love carries no yardstick.

WANTS Your Help!! \$510.00 in Cash Prizes to be Awarded









- AND THIS IS HOW HE FELT WHEN HE READ IT.

ARY'S letter is surely a puzzler. She has so mixed up the letters in the names of things she would like Percy to give her for her birthday gift that they or three words of the more as in number size, which is undoubtedly "Diamond Ring."

Each of the names in Mary's letter processed as present that any how the property of the propert

\$510.00 in Cash Prizes

1st Prize \$150.00 in Cash	14th Prize	\$5.00 in Cash
2nd Prize 75.00 in Cash 3rd Prize 50.00 in Cash 4th Prize 25.00 in Cash 4th Prize 25.00 in Cash 4th Prize 25.00 in Cash 4th Prize 26.00 in Cash 5th Prize 15.00 in Cash 6th Prize 15.00 in Cash 5th Prize 10.00 in Cash 10 i	16th Prize 17th Prize	5.00 in Cash 5.00 in Cash 3.00 in Cash 3.00 in Cash 3.00 in Cash 3.00 in Cash 2.00 in Cash

AND Fifty Cash Prizes of \$1.00 each

PERCY'S PARTY IN THE PERCY SO THE PROPERTY SO THE PERCY S

Bench and paper and try!

How to Send Your Answers

Use one side of the paper only in writing out Mary'
seep that the paper only in writing out Mary'
seep that the paper only in writing out Mary'
seep that the paper only in the paper of the
ones. In the lower left hand corner instea place of it
ones. In the lower left hand corner instea place of it
open full name (stating Mr., Miss or Mrs.) and your ful
Anything sites must be written on a separate sheet of

MAGNIFIED COPY OF MARY'S LETFER Dear percy. Since you have so

Kindly asked me to suggest a birthday present that I would like I am sending you a little list to think over. If you can puzzle Bis out in time for my birthday I would just love to receive any of the Following:

1. BALL RUME. 5 BELT CARE. 2. OH C ROB. 6. SCARE CAD. 3. DEVILS KOG 7. GRANSIRE. 4. SORE STUFF. 8. C CAN LEEK. 9. DO MI DARNING. 10. TRAINE MUSEC.

P.S. I have printed the words so that you can road Ben

\$150 IS FIRST

PRIZE

NO EXPENSE IS ATTACHED TO THIS GREAT CONTEST
ANY ONE CAN WIN A FINE CASH PRIZE

ANY ONE CAN WIN A FINE CASH PRIZE

THIS interesting geniss it is reproduced from this country in the country in

A Stoop as your answers are received, we will write and tell you the number of names solved correctly, send you your formal of the magazine and the big list of cash prises and result in the substance win, as well as names and addresses of his process of winners of big prizes from EVERTWORM'S WORLD.

The Contest Editor, EVERYWOMAN'S WORLD, CONTINENTAL PUBLISHING CO., LTD. 121 Continental Bidg., Toronto, Onto.

Every birth -every death -every marriage

is an argument in favor of Life Insurance.

A CHILD, for example, is a visitor always given a giad welcome to the home, but it also brings a responsibility and demands protection. A Musual Policy protects the "little one."

When death visits a home and the husband and father is takes, life insurance protection immediately becomes an invaluable defence for the stricken household. A Mutual Policy will save the

Wedding bells also suggest life insurance The newly-made wife must not be left to be cared for by friends in the event of her husband being unexpectedly taken from her. A Mutual Policy is an ideal wedding gift.

Moreover a pelicy should be taken in The Mutual Life of Canada to cover any indebtedness that may have been incurred in purchasing the hone; the Company has saved many Canadian homes. A Mutual Policy pays off the mortgage.

For young men who desire to save money, an endowment policy payable to themselves, at the end of a given period, is a golden investment—payable in full to the estate if death occurs prior to maturity. A Mutual Endowment is a gill-edge

Write for booklet entitled, "Ideal Policies."

The Mutual Life

Assurance Company of Canada Waterloo, Ontario

-CHR - CHR - CHR - CHR - CHR - CHR - CHR



Take Your Opportunity -Now

What are your prospects as "hired man"?

How long will it take you to own a farm of your own?

These are questions which every ambitious man must face.

Don't settle in the rut of hand to mouth existence.

Get a FREE HOMESTEAD

Our "Homeseekers' and Settlers' Guide," to be had for the asking, will tell you how and where. Write to the nearest C. N. R. agent or General Passenger Dept., 68 King St. East, Torouto, Ont.

The Surest Way To sell your surplus stock is Farm and Dairy. The cost is little and the results certain. Send in

The Collar---An Independent Part of Costume IMPORTANT NOTICE

Farm and Dairy patterns shown in these columns are especial, pre-perties of the column folia. They can be relied upon to be the last models and include the same because the column foliation of the column term of the column foliation of the colum



NEW HIGH

only one of the placed to his cred

PRINCE EDWARD

A NEW HIGH MARK FOR 2-YEAR-

A NEW HIGH MARK FOR 2-YEAR.

OLDS.

WHAT is believed to be a new high record for the world in butter process of the process of

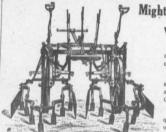
PRINCE EDWARD TO WENTWORTH.

PRINCE EDWARD TO WENTWORTH.

It is a great deal of antifaction to Robatein breeders to note the allowing the Robatein breeders to note the allowing the Robatein breeders to note the allowing the Robatein breeders of the Robatein to head their herde great server season, to head their herde large the Robatein to head their herde large the Robatein to hand, and the Robatein the Robatein to hand, and the Robatein to King Alearting size of the Robatein to the Robatein to Rob

FRED. F. FIELD SUPPLIES ARBOGAST BROTHERS WITH A CHOICE SIRE ON The of the finast inse that has come to Perth County, or in fact this particular of the finast inse that has come to Perth County, or in fact this particular of the finast insection of the proof. F. Field Holstein for some time Arbogast Brothat recently purchased by Arbogast Brothat recently purchased by Arbogast Brothat recently purchased from the Fred. F. Field Holstein furgition from the first of the fi

Cultivate 2 rows at once



Might as well get double work done when we've made it so easy

> Every pound of food stuff you can raise will command big prices, so you can't afford weeds in your Corn or root crops this summer.

> With even a short season and green help you can still make big profits if you will only give yourself the advantage of modern, labor-saving equipment like the Cockshutt No. 5 Cultivator.

> Here you have Cockshutt flexibility-light draftquality-simplicity-in full measure. It GETS the weeds from 2 rows at a time.

Handy levers control the teeth-and crooked rows are cultivated just as thoroughly as a model field. Teeth are fitted to steel standards which in turn are attached to frame by a "break-pin" coa-

The No. 5 Cockshutt is only one in our complete The No. 5 Cocksault is only one in our complete line of Cultivators. You can handle any field or root cultivation with our Champion, Climax, No. 2, No. 4 and No. 5 Cultivators; or with one of our smaller Scufflers.

Ask our nearest Agent to-day for new Catalogue It is very interesting—it may be very helpful.

COCKSHUTT PLOW CO. BRANTFORD, Ont.

Sold in Eastern Ontario, Quebec and Maritime Provinces by THE FROST & WOOD CO.

Montreal, SMITH FALLS, St. John

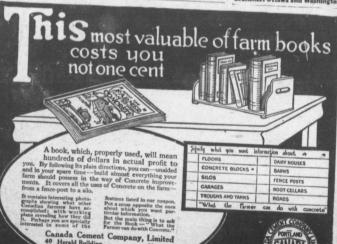
"Eastlake" Metallic Shingles

Metallic Roofing Co., Limited, Manufacturers, Toronto

40 Herald Building

IN ALL COUNTRIES

BABCOCK & SONS 99 ST. JAMES ST., MONTREAL Branches: Ottawa and Washington



SEND US YOUR SEED ORDER AT ONCE

If you delay too long you may be disappointed We pay railway freight on all orders of \$25.00 or more in Ontario and Quebec.

SEED CORN Rack Crib. Rue Gov't. Standard No. 1 Red
Clover \$14.00 to \$14.50
No. 2 Red Clover 12.50
No. 1 Alsike \$13.00 to 14.00
No. 2 or 3 (No. 1 for purity) 12.00

On Cob. On Cob. On Cob. On Cob. On Cob. Orates. Per Bi	cure r in bags
Wisconsin No. 7. \$3.25 Golden Glow 3.15 Bailey and Leaming 3.15 White Cap 3.25 Longfellow 3.50 N. Dakota 3.25 Compton's 3.56 Quebec No. 28	\$3.0 3.0 2.5 3.0 3.2 3.0 3.2 3.2
Leaming Fodder, Mam-	0.0

moth Southern, shelled 2.00
O.A.C. No. 2 Oats 2.00
Daubeney Oats 2.50
O.A.C. No. 2 Oats 3.12
O.A.C. No. 12 Oats 4.12
O.A.C. No. 12 Oats 4.12
Oats

and Early Ohio 6.00 Dutch Setts 5.00 lb. White Intermediate Carrary 1.00 lb. Setts 5.00 lb. Thousand Headed Kale, 55c lb. 1.00 lb. Thousand Headed Kale, 55c lb. 1.00 lb. 1.00

Sweet ... 8c and ... b.s. No. 1 Timothy 8t.50 No. 2 (Ex. No. 1 for purity) 4.25

Send for our 1917 Catalogue.

GEO.KEITH & SONS

124 KING ST. E TORONTO



Co-Operation Not Competition is the Life of Business

Butter and eggs are in great demand. prices. We furnish crates on application and pay ex-

There are a few tons of high grade Cotton Seed Meal offering at present.

Give us a trial order for groceries, root seeds, buggies, wagons, implements, oats, and all mill feeds. Prices given on application.

As anticipated there is a great searcity of certain brands of flour, and prices have advanced rapidly during the last week.

The United Farmers' Co-Operative Co.

Cor. King and Francis Streets, Toronto

Market Review and Forecast

Tobonyo, May 7.—Seeding is now respect to the control of the contr

And owing to be an an arrange of the second of the second

MILLE FEEDS.

Millers have little bran or ghorts on hand. There is some demand from the little States, but lack of cars makes the little States, but lack of cars makes here quoted at \$46; bean, \$43; middlings, \$46; feed four, per bag, \$3 to \$3.10, Montreal quotes bran \$45; shorts, \$46; middlings, \$46 to \$50; moultie, \$32 to \$56.

HAY AND STRAW. Hay, extra No. 2 is quoted on track here, \$11.50 to \$12.50; mixed, \$8.50 to \$11; straw, \$8 to \$9. Montreal quotes No. 2 hay \$13.50 a ton in car lots.

POTATOES AND BEANS

POTATOES AND BEANS.
The domand for potatoes continues greater than the supply. Delawares are here quoted, \$4.50, Ontarion, \$4.50; Cobbiers, \$4.50, Charlon, \$4.50; Cobbiers, \$4.50, Lawares, \$5.75; Green Mountains, \$4.50.
The bean market is stronger. Japan-ese, haud-jeldsed, bushel, \$4.50, to \$6.75; prime, \$5 to \$8.55; Canadian, hand-pick-ed, bushel, \$4.75; prime, \$2.50.

HIDES AND WOOL HIDES AND WOOL.

Country markets—Beel hides, flat, cured, 20e to 21e; part cured, 19e to 30e; suren, 18e to 19e descons or bob calt, green, 18e to 19e descons or bob calt, 41.7 or 19e descons or 19e de

EGGS AND POULTRY. EGGS AND POULTRY.

Eggs have advanced in the last week.

Supplies are not predicted and the supplies of the prediction of all that are offered. It is reported to the supplies of the supplies

FOR SALE AND WANT ADVERTISING

THREE CENTS A WORD, CASH WITH ORDER BUFF ORPINGTON EGGS for hatching, \$1.00 for 15 eggs. 9 chicks guaranteed. Silver cup winners and extra heavy layers. Hugh A. Scott, Caledonia, Ont.

ROOFING MILL ENDS CHEAP. equalled for siles, garages, poultry houses and larger roofs. A limited quantity of high grade mill ends of roof-ing for mile cheap, write for free samples and prides. Address Factory Distributors, Box 61, Hamilton, Canada.



better separator for less money

CHOOSE the Viking Cream Separator and you save money on the first cost; you have money on the first cost; you have money and fewer parts to wear out.

Whele for your robe of our free description to the comments of the comm

and fower parts to wear out.

Write for your copy of our free descriptive booklet

Dept. 6 which fells the whole story.

SWEDISH SEPARATOR COMPANT, - 515 South Fifth Are., Chicago, Ill. G Cream Separators of Quality



SEED

"That Wil

We can supply
on the cob or shell
lowing varieties:
Improved Lean
No. 7. Early
Cap Yallow Den
This corn was g
by specialists in s
therefore of a ver
of seed, quale you
garden and field
mangel, suppreserved,
but the beautiest bean
seed potatoes, buck
grasses.

CRAMPSEY

BUTTER

WILLIAM DAVI

CREA CREAM

both for churning ASK ANY SH ASK FOR PE

The figures for may be TOO LO WE FURNISH

The Toronto Crea Church St., TORO



Cheese is i Demand

DITCHER AND GI EASILY CHEAPLY

DOES THE WORK OF SEND FOR FREE BY

B3 DOVER ST. PRESTON C

SEED CORN "That Will Grow"

That Will Grow
We can supply ranke extract corn,
on the cob or shelled, from the following varieties.

Amproved Learning, Wisconain
Description of the following varieties.

The corn was grown and cured
The corn was grown and cured
by specialist in seed corn, and is
of seed.

Let us quote you on all kinds of
garden and field seeds, including,
carriage, stagar beet, turning, cargrave, stagar beet, turning, cargrave, stagar beet, turning, carseed potatoes, brickwised and field
grasses.

grasses.
Cotton Seed Meal, Oil Cake
Meal, Gluten Meal, Bran, Shorts,
Feed Oats, Whole Oats, Fure Linseed Meal, Good Luck Brand Caif
Meal, and a complete line of Good
Luck Brand Poultry Feeds. Write,
phone or wire for prices.

CRAMPSEY & KELLY

BUTTER & EGGS

mission merchants. We pay net prices and remit

WILLIAM DAVIES COMPANY stablished 1854. TORONTO, ONT.

CREAM-

WE ARE OPEN TO BUY both for churning and table

ASK ANY SHIPPER about our service and prompt ASK FOR PRICES. The figures for yesterday may be TOO LOW for to-

WE FURNISH CANS.

The Toronto Creamery Co., Church St., TORONTO, Ont.



Cheese is in Demand - Use

THE CANADIAN SALT CO, LIMITED



The Makers' Corner

Butter and Cheese Makers are in-vited to send contributions to this department, to ask questions on matters relating to cheese making, and to suggest subjects for discus-sion.

The Cost of Rennett

The Cost of Rennett

DITOR, Fram and Dairy,—In last
week's issue of Farm and Dairy
a week's issue of Farm and Dairy
a week's issue of Farm and Dairy
a week's issue of Farm and Dairy
and the week's issue of the Corner
and the Same and Same and Same
and Same and Same
and Same and Same
and Same and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Same
and Sam a ton of cheese, instead of \$2.25. It is aske stated that Curdaiac, \$4.25 a gal, is said to be 1.5 stronger than stand ard rennett. I beg to differ. What I have used, two gallons of Curdaiac is have used, two gallons of Curdaiac is lon of Hansen's rennett.—C. J. Don-nelley, Middlesex Co., Ont.

The Proper Spirit in many instances doubled and trebled. Labor is more expensive than it was. The making price sive than it was. The making price of cheese, therefore, has been advanced at many factories without criticism and almost without discussion. The patrons of the Shearer cheese factory in Peterboro county, have gone the majority of other factories of the state of th fave gone the majority of other rac-tories one better, however, in that at a meeting held a few days ago they a meeting need a few days ago they voluntarily gave the owner and maker, Mr. J. J. Hogan, an advance on his making price consistent with the advance in the cost of supplies and labor,

Value in the cost of supplies and labor.

This action is creditable to the patrons, as it was done without consulting Mr. Hogan, the season's price having already been fixed

C.P.R. Iced Butter Car Service

COMMENCING Tuesday, May 15th, and until further notice, an freed established for the carriage of Butter only to Tronto and Montreal, also shipments for export forwarded via Montreal Priday, so that the content may be delivered Friday afternoon, of Saturday morning. The service will be four cars weekly, as follows: OMMENCING Tuesday, May 15th

follows:

(1) From Windsor, iced car every Tuesday on "Way-Freight Extra." This car will leave London by "Way-Freight Extra." Wednesday a.m., and Toronto by No. 310 Thursday night. Shipments from intermediate main stations west of Toronto will be loaded in this car. Shipments from loaded in this car. Shipments from Burwell, ingersoll and St. Mary's Port Burwell, ingersoll and St. Mary's Sheldtissions should be way-freighted. Subdivisions should be way-freighted to Woodstock for transhipment to iced car from Windsor.

car from Windsor.

(2) From Goderich, starting May 30th, iced car every Wednesday on "Way-Freja't Extra from Listowel Subdivision should be way-freighted to Linwood under transhipment to iced car from Goderich.

(3) From Owen Sound, iced car Wednesday on "Way-Freight every Extra" for West Toronto, to be trans-

Extra" for West Toronto, to be trans-terred at Toronto, whenever possible, to car from Windsor. Shipments from Walkerton Subdivision, feed car every Tuesday on "Way-Freight Extra" to be consolidated at Owen Sound. (f) From Teeswater, locd car every Wednesday on "Way-Freight Extra" running via Orangeville and Streets-ville Junction for connection at m-round, whenever possible withe, R. ronto whenever possible with P.R. from Windsor.



PEERLESS

No matter how fast it comes, the most unruly animal can't break through a Peerless Perfection Farm Fence-it springs back into-shape.

Fence—it springs back into shape.

Made of heavy Open Hearth need
galaxnized wire with all the imputing
taken out and all the strength and toughtess
left in. Every wire is crimed making the fence
extra heavy, one spring. To and bottom wires
certain beavy common and bottom wires
Don't buy a roof effecting united less posts
ordinary fence. Absolutely manufactured
Don't buy a roof of fencing united
Fence and the spring of ferm, ponity via great presents of
farm, ponity via great presents of
farm ponity via g

The Banwell-Hoxie Wire Fence Company, Ltd., Winnings, Man. Hamilton, Ont.

**************** CHEESEMAKERS! HANSEN WANTS

or the manufacture of our well-ns. And we need all the Rennets ollect Rennets from the farmers and butchers in your locality and ship them to us. The Ren-nets should be those of milk-fed calves only.



GOOD PRICES PAID Write us for special circular-containing full instructions for the preparation of Rennets for the preparation of Rennets for shipment, and particulars of the priegs we will pay. Do this now.—There's money in it for

CHR. HANSEN'S CANADIAN LABORATORY, 201 Church St., Toronto, Ont. ******************

CHEESE-MAKERS!

Are you going to continue using high-priced imported Rennet Extract-or

Curdalac* (P. D. & Co.) and

Spongy Pepsin for Cheese-making?

During the season of 1916 these two coagulants satisfactorily replaced Rennet in scores of factories; gave full yield of fine-flavored cheese, and with great saving in cost.

Ask the nearest supply dealer for information regarding the use of these products, also for prices and descriptive literature.

Walkerville, Out.

PARKE, DAVIS & CO.

AYRSHIRES

LAKESIDE AYRSHIRES

A select lot of young bulls, all ages, sired by Auchenbrain Sea Foam (Imp.) 35758 (8565), Grand Champion at both Quebec and Sherbrooke, from Record of Performance Dams. Write for catalogue.

GEO. H. MONTGOMERY, minion Express Bidg., Montreal.

Manager:

D. McARTHUR, Phillipsburg, Que.

FAIRMOUNT AYRSHIRES

Mature cows and young stock for sale always on hand (both sexes) from large neavy producing high testing cows, sired by Robin Hood of Fairmount, imp. U.S.A. No. 91318, son of the famous Akheerhall Robin Hood, Imp. No. 25782. Inapect herd or write for particulars. B. J. TAYLOR

AYERS CLIFF, QUE.

Fernbrook Ayrshires for Sale

Bulls from \$ to 12 months old, out of dams closely related to the two greatest Ayrahire cows in the world, Garclaugh May Mischief and Jean Armour. COLLIER BROS., Beachville, Ont.,

FOR SALE

One sleven months Ayrshire bull from R.O.P. dam whose record as 2-yr.-old is 5,930 lbs. milk, 366 fat. Write for further particulars con-cerning him.

WILLIAM BRITTON, R. R. No. 1, CLINTON, ONT.

FOR SALE

Herd bull VICTOR PAUL PIETERTJE, born July 4, 1914. Easy to handle and sure. Dam gave 110.8 lbs. milk 1 day. She is the champion cow of Canada for 8 mos. after calving test, with 20 lbs. butter and 525.1 lbs. milk in 7 days. His dam's dam is the only cow in Canada with 2 daughters that have both milked 110 lbs. 1 day. ALSO BULL FIT FOR SERVICE, born Apr. 17, 1916. Mostly white in color, sired by a son of a 22,300 lbs. cow. Dam sired by a son of a 25.77 lb. cow.

Write or come and see them.

S. LEMON & SONS,

. . . LYNDEN, ONT.

VILLA VIEW OFFERS FOR SALE-

choice bull caives all sired by our \$2,000, 35 lb. ALCARTRA bull. The demand has been greater than the supply. 60 head in the herd and only 5 Sebringville, Ont. bulls in the lot.

Great Demand for Pietje Bulls

Whys—Because they are such excellent individuals.

Because they are such excellent individuals.

Because they are all great producers.

We are offering three youngsters aired by this great bull, WOODCREST SIR CLYDE.

SIR CLYDE.

The proof of the present of the present bull, WOODCREST one born of the present of the present bull, WOODCREST one born of the present bull, WOODCREST one before the present bull, WOODCREST one present bull, WOODCREST on the prese

H. LYNN, Manager, AVONDALE FARM, BROCKVILLE, ONT.

HIGHLAND LAKE FARMS

Herd sire, AVONDALE PONTIAC ECIIO (under lease), a son of MAY ECII of the Vision of the Vision of the Vision of the Vision of Vision of the Vision of Visi

LAKEVIEW HOLSTEINS

Are still in the lead. The latest Holstein year book shows that they held 4 Canadian Records for butter, and Lakevlow buils have won all honors can be still be to the trends and Lakevlow buils have won all honors can be still be to the trends and 1516. Now we are offering several richly bred young fellows that are looking forward to buy at the fall fairs, and we have decided to give \$18.00 in good to the man that buys the 1917 winner.

Don't miss this order of time.

Lakeview. The Cosler, Prop. Brente, Ont. T. A. DAWSON, Mgr. Major E. F. OSLER, Prop. Brente, Ont.

MR. HOLSTEIN BREEDER

II is customary in selection a bred life to chees one backed by great record.

Out of the control of the contro

W. G. BAILEY

Oak Park Stock Farm, B.R. No. 4

PARIS, ONT.

R. .. P. BACKING

Am offering two sone of HILICRIST ORBINSTY DEROIL, son of ELUWERD COUNT DEROIL BADY FAULANCE, the 2500-4b, could be used to be used

DANIEL SHEA, R. R. No. 1, CAMPBELL'S BAY, QUE.

Registered Holsteins

Bulls from one month to 17 months old for sale. All from our grand herd s ire, Echo Segis Fayne, whose aire is half-brother to Segis Fayne Johanns, the world's wonder cow, that has just made a record of 50 lbs. in 7 days. If you need a well backet buil write at once. STANSTEAD, QUE.

OHN M. MONTLE, Sunnyside Stock Farm

Ourvilla Holsteins

Get in the swim and buy a herd header from the family that has produced the first 50-1b. cow by getting a son of FINDERNE KING MAY FAXWES, AVLMER, ONT. R. No. 1 (Eigin Co.)

Please mention Farm and Dairy en writing advertisers.

Fairmont Holsteins

oly two bulls left—6 and 2 mos. respectively—sleed by King Segis Alcartra Calands, were 50 bbs. butter, with almost 4.5% fat. Also wheelers in earl to King, due in April. Write for prices, or better come and see themst, R.R. No. 2 (Perin Co.), Mitchell, Ont.

Z

Lambs, yearlings, choice 15 56 to do medium 13 56 to do culls 9 50 to do spring lambs, each . 8 06 to 16 50 14 50 11 90 13 00 Sheep, ewes, light ... 11 50 to do heavy and bucks .. 9 00 to do culls ... 4 00 to

Hogs, fed and watered, 00 00 16 90 00 00 16 25

At Montreal offerings were small and the market firm. Choice steers and helf-ers sold at \$11.55 to \$1.26 to \$1.00 to \$1

Postal Card Reports

Correspondence Invited.

KINGS CO., P.E.I.

HERMANULIAIS, April 26—No farming operations are started here yet. Polatoss are in hig demand all about milway in the polatos are in high demand all about milway in the polatos are in high demand all about milway in the polatos are in high control of the polatos. The polatos is the polatos in the polatos

THE CHEESE MARKETS.

Woodstock, May 2-4.679 cheese results of the series of the series

CLYDESDALES FOR Two high class Clydesdale fillies, registered, rising 2 and 3 years. R. T. GARSON, R.R. No. 2, ATWOOD, Ont.

RIVERSIDE HOLGTEINS For Sale, Chaice Young Bills, sired by grandson of Pontlac Korndryke, and a brother of Pontlac Korndryke, and a brother of Pontlac Lady Korndryke. 38.02 butter in 7 days, 156.92 lbs. 30 days—more record—when made. All chairs of the chair of the

What About Summer Worry?

Are you going to keep extra hands this busy summer just for milking, or are you going to try to slip through on "short" and thus run danger of sickness or accident upsetting the milking schedule and injuring your cows.

The safer and more economical way is to install

Burrell (B-L-K)

lilkers

One man can operate two 2cow Burrell Milkers, thus doing the work of 3 men and milking 24 to 30 cows an hour.

In many cases of sickness or accident, the women-folk have turned to and done the milking with Burrell Milkers to perfect satisfaction.

A Burrell outfit generally pays for itself within a year by the



From then on it wages it saves. is clear profit.

We have often conferred with dairymen-big and little-on the problems. We have valuable experience. If you send us a rough plan of your stable, the number of your cows and a description of your problems, we can give you valuable information on your spe-cial case. No charge for this ser-

Write to-day, and also ask for our free illustrated book solving many milking problems.

D. Derbyshire Co., Ltd., Brockville, Ont.

Branches: Peterboro, Ont.; Montreal, P.Q.; Quebec, P.Q.

and trying to rais home use. Potate selling at \$3.00 a higher. Fall whi well and looks fi crop.—G. W. C.

NORFO PORT BURNER rond burning conditions, clear at ing. The greas seems to be grown through the wint All kinds of fed Flores are \$15.50 p butter, steady at preparing land for P. E. P.

MEDICINI MEDICINE
LAUPINE, Apri
great quantity of
the spring is very
other years and
that very little wor
land. The past tw
warm with a nice
dries up land quickl
jne, seeding will
April 25th.—W. M.

HEMMINGFORD

THE Hemming Tensor The Hemming Tensor The President's a year and a the Ottawa and at the Ottawa and at the Ottawa and as how animals auccessful consignment of the President's a year's work. The President's a transport of the President's work was et al. In the Hemming Tensor he emphasized the the best sires to be operation, laying asia and working togetl benefit of all. Mr. Howick, and Rev. A mingford, also spoke Howick and Rev. a minsford, also spoke couragement. After thanks to Mr. Steph brought to a close by brought to a close by the stephen of the ford: Vice-President, Franklin Centre: S Sweet, Henmingford Illair, Henmingford Prownlee, J. C. McK Donald Watt. Lieb SWIET, Seey.

AVESHIRE COWS TH FIED IN R.O.P.

14 to AP

Mature Disk MaID OF States of the control o

HOMESTE

Offers for sale 11 he daughters of PALADI of good type, and nic B. R. Barr, Prop., R.

30 Females

Ann. The past two days have been quite dries with nice proceed bowling, which dries with nice with a dries with nice with a drie with dries with a drie with dries. With the dries with the dries. With the dries with t

HOMESTEAD HOLSTEIN STOCK FARM

Offers for sale 11 heifers from 11 to 16 months old. Eight are grand-daughters of PALALDIN ORMSEY. All have good breeding, are well grown, or good type, and hicely marked, and at a price the well pay you well. B. R. Barr, Prop. R.R. No. 1, Messley, Ont. Harrietaville Statlon, G.P.R.

and trying to raise enough vegetables for home use. Postos are very scarce, and selling at \$2.7 per cent. fat, \$38 are lilically to go higher. Fall wheat the selling at \$1.4 mills, \$37 lbs. fat, \$2.7 per cent. fat, \$38 are lilically for brighter. Fall wheat the selling at \$1.4 mills are likely to go higher. Fall wheat the selling at \$1.4 mills are likely to go higher. Fall wheat the selling at \$1.4 mills are likely to go higher. Fall wheat the selling at \$1.4 mills are likely to go higher. Fall wheat the selling at \$1.4 mills are likely to go higher. Fall wheat the selling at \$1.4 mills are likely to go higher fall \$1.4 mills are likely \$1.4 mills are likely to go higher fall \$1.4 mills are likely \$1.

Breslau 40 HEAD

Herd Established 1883

In my sale of May 23rd, I am offering much of the results of my thirty-four years in the breeding of Holsteins. They are of the type that have not only been big producers, but have also been great winners in the show-ring. In the way of breeding it is enough to say that my two present sires are-

SIR KORNDYKE BOON, SIR KORNDYKE BOON, a son of the grand old world famous buil, PONTIAC KORN. INKA SYLVIA BEET'S POSCH. DYKE. Twenty of my females offered are sons of S.K. BOON, and a number of his young sons this young buil. He will be offered subject to a reserve bid.

If you want something choice in Holsteins, do not fail to be on hand at 1 p.m. on May 23rd. Farm is one mile from BRESLAU STATION. Persons coming from south and south-western Ontario after 12 noon will be met at Bowman House and taken to the farm. THE CATALOGUES ARE READY. SEND FOR COPY.

Springbrook Stock Farm R.R. No. 2 BRESLAU, ONT.

A HERD SIRE AT A BARGAIN-

Billie Hengereeld Plus No. 2810, Vol. 19. Was calved August 15, 1915. He is a big, beautifully marked animal, showing lots of character, is very lively and quest. He has never he has never been been been supported by the state of the state

W. E. N. Hodgins

Box 46, Shawville, Que.

H L FEINS

Could spare 10 cows or hefter, seed to the Great Buil KING SEGIS PONTIAG DUPLICATE. Have one year much and calves from 19 months
stown. Myrtle, C.P.R. Manchester, G.T.R. Port Perry, R. R. 4

Eighth Annual Live Stock Show

Live Stock Breeders' Association

DISTRICT OF BEAUHARNOIS, Ltd.

Will be held at

ORMSTOWN. Que.

JUNE 6, 7, 8, 1917

Sec.-Treasurer.

Come to Ormstown, Quebec on the above dates and see one of the best Live Stock Shows in Canada.

All Horses and Cattle judged under cover in the large Stadium at 10 a.m., 2 p.m. and 8 p.m. daily.

HORSE RACING ON THE THREE DAYS OF THE SHOW. Admission to Grounds: ADULTS, 25c

CHILDREN, 15c. Write the Secretary for Prize Lists and other information. NEIL SANGSTER, W. G. MOGERRIGLE, President.



.041

mustgo



He is the Great Menace to the Development of Ontario's

Live Stock Industry today.

Look at the market toppers in beef classes. Study the prize winning bacon pigs and the high producing dairy cows. Consider the horses with clean, strong limbs and strongly muscled bodies. Are they the progeny of serub sires? If not, then why tolerate the scrub sire?

Throughout North America stallions are inspected and licensed to give preference and to emphasize the value of the pure bred. If America places a high value on the pure bred horse, and the same natural law prevails in all classes of stock, should not similar emphasis be placed on all classes by the owners, without legal restriction

Ontario has 775,732 horses, 2,734,767 cattle, 908,066 sheep and 1,735,254 swine. Their numbers might be larger, but if every animal were the product of a good pure bred sire their value would be much greater.

The Scrub Sire is Easily Recognized

He may be an animal which lacks breeding, has faulty conformation and no individuality

Or an animal which has good conformation but no breed-ing. He is not a sure getter. The progeny will lack uniformity.

Or he may have a pedigree but may lack in vigor and in conformation

Why are British Sires Imported

Why do Ontario stockmen and Argentine ranchers buy large numbers of pure bred stock in Great Britain? Be-

They are shrewd business men.

They understand the natural law, "Like tends to produce

They know Great Britain has the best because the British stockmen have for generations used the best pure bred sires

They know that stock from sires which have a line of pure bred ancestry for generations will be uniform in size, of good quality and true to type.

The milk records of 55 grade cows in a certain Ontario herd were kept from 1895 until 1907, and a

Very few cows were purchased, the females being reared and retained in the herd. In 1895 the herd average was 3,600 lbs. per cew per year. In 1907 this average had risen to 8,006 The records show a gradual increase year by year,

What others have done you can do. What others have done you can do.

The average production per cow in Ontario is about 4,000
lbs. annually. Many give more, but the scrub cows which
are the progeny of scrub sires reduce the average; if the
scrub cows were reduced in number then the average production would soon reach 6,000 lbs. or 8,000 lbs. per annum.

Here's Another Result

In one section 12 pure bred rams were purchased, but several grades were also used. Careful comparisons were made. When the lambs were sold 12 lbs. per lamb extra was credited to the use of the pure breds. The rams cost \$15 each Ask yourself: Was it a good myestment?

Is it any wonder that successful stock raisers insistently demand pedigree, type, vigor and individuality in stock sires?—they know that "like tends to produce like." They have realized that immense losses are incurred yearly because scrub sires are retained upon a large percentage of Ontario farms. The labor is just as great, the food consumed is the same, but the returns are much less.

Sell the Scrub

If you own a scrub sire sell him while the price for meat is high. Buy a good pure bred sire. An animal which looks cheap and has a cleap pedigree is dear at any price. The real value of an animal is estimated by its earning power, either as a producer of dairy products or meat, or as a breeder of stock.

Successful co-operation with natural laws is vital in agriculture. They are infallible and beyond our control except as we offer opportunities for them to become a part of our every day operations. Nature makes no charge for services

rendered, but collects toll when her laws are ignored.

Every farmer should co-operate with nature by eliminating the scrub. Buy a good animal and give natural law an opportunity to assist him rather than

retard his progress Aim for Quality and Quantity. "Feed, Breed and

Some Results of Good Breeding

pure bred bull only was used during the period.

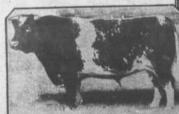


ONTARIO Ontario Department of Agriculture Parliament Buildings

TORONTO

Sir William H. Hearst,

G. C. Creelman,



THIS KIND PAYS. LIKE BEGETS LIKE