# FARM AND DAIRY, RURAL HOME



Toronto, Ont., June 14, 1917



A ROADWAY IN RURAL ONTARIO.

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The National Service Board of Canada, OTTAWA.

# Another Success for the Ormstown Spring Fair

Purely Agricultural in All Its Features, Its Popularity is Well Deserved

Purely Agricultural in All Its Features, Its Popularity is Well Deserved
HAVE attended this frit," re- Awands in the pure bred classes are
marked an Ontario visitor to given in chil in this issue. The grade
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at Ormstown hast week, "every year Both Ayreshire and Holtein grade
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classes compared favorably with the
the wonder of how such a small district can produce such a small can
serve corresponding pure bred classes; in
the Wordshap the secret of the fair's succel know the secret of the fair's succel know the secret of the fair's succel know the secret of the secret of the fair, when he spoke of "the live stock
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the main attraction.

The Ayrshire classes
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the glace to th main attraction.

The evening performance was the "drawing card" with the townspeople. cattle that the district could produce. The rest of the evening was devoted fair's performances, is played exactly as is the old parlor game that we all know as "musical chairs," except that the players are riding and when the nusic stops the rider has to dist and sit on his chair. When two riders were going at full gallop for one chair developments were always interesting.

The Horse Classes.

There were 150 draft horses and 165 light horses entered. The draft horses were all Clydesdales or Clydeshorses were ast Clydescases or Clydes-dale grades, something to be expected in a district where the stockmen are almost all of Scotch descent. Some of the principal exhibitors were R. Ness & Son, Howick; W. J. McGer-rigle, Ormstown; Steele Bross, How. ick; D. A. McCormick, A. A. Nussy, and W. Nussy, of Brysonville. Many others had from one to three or four head on hand. The grand champion-ships all went to the Ness stables. Baron Stanley was best imported staldion, but more interest centered in Spencer of the Briars, a Canadian-bred stallion by Sir Spencer, and the grand champion at the last Ottawa Winter Fair. Ruby Jen, a beautiful imported black mare, generally recognized as one of the finest in Canada, was champion Clyde mare.

Both sheep and swine pens were but scantily filled. In the former, Ayer & Son, of Bowmanville, Ont., had a good exhibit of Dorsets, Cheviots and Southdowns, but local entries were few, and most of the money came to Ontario. In swine there were a few Tamworths, Berkshires, Yorkshires, Durocs and Chesters. Altogether sheep and swine entries totalled only 110 head

head.

The Dairy Cattle.

But it is as a dairy show that Ormssive exhibit of the fair, wars and town is best known. Dairy cattle entered town is best known. Dairy cattle entered town in the state of the fair of the fair two breeds from outside Arthur, Howlet, J. F. Cayers. Ormspoints, but she greater portion came town; J. & C. C. Balkantyne, Chester from within a few miles of Ormstown, "this, different McMillen, Trout River; Trout River; Trout River; Trout River; The Jerseys were practically all from Direct Red River. Best Dairy Cartes and Ormstown; Geo. Rope. Allers Cornell River. And Ormstown; Geo. Rope. Allers Cornell River. Cartes and Cartes Carte

HE Ayrshire is at home in the Beauharpois district, and Ayr-shires at Ormstown are always "drawing card" with the townspeople.

a hirse at Ormstown are always It opened with a cattle parade, dairy of outstanding merit. It is indeed cattle, for there was not a beef and questionable it any other fair in Canmal on the grounds, that entirely filled add avoid that a considerable in the big judging parillion, the white one or two last were less than a content attendants leading the choicest town last were less than properlied indicattle that the district could produce widness were less than properlied indicattle that the district could produce. cattle that the district could produce widnals at week. Many splendid indiThe reat of the evening was devoted tespeths were left out of the money alto horse judging, the most popular W. W. Ball form first to lest, Mr.
events being the lady drivers and awards, had his hands toll. The activation of "musical chairs" played by riders on formity of type, particularly in the built
horse-buck. This latter feature was classes, was wonderful. The exhibit
introduced for the first time last year.
Montread pole players being brought quarantine, just before the fair, of one
to Ornstown for the evening performto Ornstown for the evening performto This latter that the fair was strengthened by the arrival from
do mison from the venting performto the fair of the fair of one
to the fair of the
pear the local boys were given the
field to themselves. The game, which
might be made a feature of our winter
fair's performances, is played exactly
firsts fell to the new importation,
as is the old parior game that we all
among them the grand championship
know as "mencial chairs", except that made award, which was given to Aumade award, which was given to Auchenbrain Sir Andrew, a junior year-ling, and as straight and nice an ani-

mal as one could well desire.

First place in mature bulls went to
Glenhurst Torrs Major, shown by Gilbert McMillan. He appeared in excellent fit, but won by only a small mar-gin over Burnside Fannie Scusier, a bull with more qualt, y, somewhat larger and more sampely in the hind quar-ters, but without the substance and fitting of the winner. The two-yearold class brought out one of the Ness one cause brought out the one the trees importation, a very growthy straight bull, and by the great Perfect Piece. Sunnyside Masterpiece, in second place, had a great depth and was particularly good in the hind quarters. A very richly bred calf was shown by McMillan in the senior section in Gold-plece, a combination of the blood of Masterpiece, Perfect Piece, and Piece-

Some of the female classes suffered because of the season at which the fair is held, many of the best Ayrshires of the district being timed to freshen for the fall fair circuit. Mature cows for the fall fair circuit. Mature cows in milk, however, brought out fourteen entries and a grand showing they made. First shootes fell to Chapmanton Henny, owned by R. R. Ness, with Gordon a good second on Stonehouse Pansy. One of the finest cows shown was Gookfergue Cherry, a grand hig cow and first in her class for three years in succession at Ormstown. This year she won in the dry class and was reserve champion. Cavers had a very year ane won in the dry class and was reserve champion. Cavers had a very shapely, sweet helfer in his three-year-old Orange Blossom. Graded Ayrshire herds were as usual the most impres-sive exhibit of the fair, with five herds



VOL. X

N chloride tive gern solution machine par (full strengt 10" pounds

To make or wooden to ten pounds ( over night, the clear liqu one hundred chloride of li dairy supply twelve bottle one-half pour Price, about and half-pour stores 'la usu price and is r tubes and tere above. It wil summer and t

Do not mak too much chlor long as it will sium-iodide tes dal properties duce this char gone, and it n solution made.

Chloride of 1 been used at dairy barn duris

These soluti times when the test paper, and sterile on each

We have for to this solution our barn. Both appear to be chloride of lime year

The addition to keep the so winter if the s mek-house or be

Care must be too strong by us too little water, parts will become

Now let us tur an influence on the cleanliness of General C

The metal par

\* Part of address



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

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TORONTO, ONT., JUNE 14, 1917

No. 24

# To Get Clean Milk With a Milking Machine

It Involves Proper Solutions, General Cleanliness and the Proper Cooling of the Milk When Drawn

N chloride of lime we have a cheap and effective germicide from which a very satisfactory solution can be made for sterilizing milking machine parts. One pound of chloride of lime (full strength 33 per cent. available chlorine) to 10" pounds (ten gallons) of water.

To make solution, mix in enamel pail, crock or wooden tub, one pound of chloride of lime to ten pounds ( one gallon) water; allow to stand over night, giving an occasional stir; pour off the clear liquid and add sufficient water to make one hundred pounds (ten gallons). Full strength chloride of lime can be bought from any of the dairy supply houses, put up in cases containing twelve bottles, each bottle containing three and one-half pounds, with full directions for use. Price, about \$3.00 per case. That sold in pound and half-pound cardboard packages by drug stores is usually low in strength and high in price and is not recommended. Immerse rubber tubes and test cups in this solution, made up as above. It will be good for about two weeks in summer and three weeks in winter.

Caution.

Do not make the solution too strong by use of too much chloride of lime or too little water. As long as it will turn blue a strip of starch-potassium-iodide test paper dipped into it, its germicidal properties are o.k.; as soon as it fails to produce this change its germicidal properties have gone, and it must be thrown away and a new solution made.

Chloride of lime solutions made as above have been used at the Ontario Agricultural College dairy barn during last summer with every success.

These solutions have been found sterile at all times when they gave a blue coloration with the test paper, and the tubes were also found to be sterile on each occasion when a test was made.

We have found no advantage in adding salt to this solution, and have given up using it in our barn. Both the metal and the rubber parts appear to be well preserved after lying in a chloride of lime solution for the greater part of a

The addition of some salt may be necessary to keep the solution from freezing during the winter if the solution is kept in a very cold mek-house or barn.

Care must be taken not to make the solution too strong by using too much chloride of lime or too tittle water, or we shall find that the metal parts will become corroded and spoiled.

Now let us turn to the other factors which have an influence on the quality of the milk, besides the cleanliness of the teat-cups and rubber tubes. General Cleanliness of the Machine.

The metal parts should be thoroughly washed

and scalded each time after use, and then should be put in a clean place out of the reach of dust and flies, where they should remain until required again. The teat-cups and tubing should be fitted on to the machine and well rinsed out before and after use every time; warm water should be used for rinsing before milking to remove all traces of the chloride of lime; warm water and washing powder should be used first after milking, and then hot water, putting the tubes in the sterilizing solution again.

All teat-cups should be taken apart at least once a week and given a thorough scrubbing with hot water and washing powder, and the tribing must be well scrubbed out with the brushes provided as well. They should then be rinsed in hot water before putting together and returning to the chloride of lime. If this can be done twice a week so much the better, but it MUST

be done at least once a week if satisfactory results are to be obtained.

A point that is often overlooked is the necessity for having the teat-cups and rubber tubing completely immersed in the chloride of lime so lution; a sufficiently large container and a sufficient quantity of solution must be used, as we do not get the required results if these parts, as we often see them, are sticking up out of the solution into the air. We must be careful to see that the solution fills the tubing, and not, as we find in some cases where the ends dip into it but the centre of the tube remains filled with air. Cleanliness of the Barn.

Feeding, bedding, or brushing up should never take place within two hours before milking. The dust raised by these operations takes a long time to settle, and if these operations are conducted shortly before milking, a very considerable quantity will of necessity find its way into the milk cans and pails. For this reason, also, uncovered cans and palls, with or without milk in them, should never be left standing in the barn, but should be removed to the milk-house.

In barns where high grade milk is produced the teats and udder of every cow are washed before milking begins. This practice might well be adopted by milking-machine users, as dirt from the teat and udder often gets drawn into the tubes, and we should avoid this if we can. The teat-cups for this reason should also fit snugly, and not be so large that they are sucking air from the outside all the time. In case they fall off into the bedding, they should be thoroughly rinsed out before being put on a cow again.

Cooling of the Milk. In spite of our best efforts we shall find that some germs will find their way into the milk after all, and it is only by promptly cooling to a suitable temperature that we can hold them in control. It is useless going to a lot of trouble to produce clean milk and then be careless about cooling it, as all our efforts are quickly undone.

At the O. A. C. dairy barn, without adopting any unusual precautions, we have secured milk daily from a group of 10 to 15 cows, with a bacterial content of from 8,000 to 10,000 per c.c. Ten samples of machine milk secured from farmers in the neighborhood of Woodstock one morning averaged three and a quarter million bacteria per c.c.; the bacterial content of hand-drawn milk sent to the same factory that morning was less than a quarter of this figure. From this and from other evidence in our possession we have come to the conclusion that the quality of machine milk in Western Ontario can be and must be improved.

To produce clean milk with a milking machine is not as easy a matter as most people at first would suppose, but with proper care and attention to essential details it can be very certainly done.



### The Hand Separator

THE hand separator is the of the dairy industry." The speaker was one of the most extensive butmanufacturers of e Province of Quebec. His opinion, therefore,

weight. "Why?" I asked. Because it lost us the British market several years ago, and has so reduced the quality of our butter that we can't meet foreign competition on our own markets when it comes, as come it will. Yes, I know we have the British market

Yes, I know we have the British market now, but can we keep it when the war is over? I know that we can't? "All the milk in these townships used to be skimmed at the creamery," continued this aworn enemy of the oream continued this aworn enemy of the continued the same than the continued the continu separator, "It was delivered daily and was delivered sweet. We had good oream and made good butter. Now the farm separator does the job. Usually it stands in the stable. Usually it washed once a day. Usually the creem is delivered once or twice a week. We make good butter under conditions on the stable of the conditions of the stable of the stable same than the stable of the stable same than the stable of the stable same than make good butter under conditions such

as these."
It was the abuse of the cream separator to which this creamery man objected. Warm weather is now approaching and in warm weather abuses multiply. A and in warm weather abuses multiply. A word in eason to all creamery patrons would be—wash the separator twice a day, cool the cream immediately and keep it cold and ship to the creamery at as frequent intervals as possible. The cream separator has been a wonderful convenience. Let us not abuse it.—F. E. E. convenience. Let us not abuse it.—F. E. E.

\* Part of address given at Western Ontario Dairy-

# When You Buy a Cow

Some Exterior Indications of Milk Production
J. Hugh McKenney, Elgin Co., Ont.

HAVE always banked on the scale and tester as the one reliable means of knowing the individual milking capacity of the dairy herd. It occasionally happens, however, that I wish to purchase an animal from a neighbor. Perhaps he has failed to keep any record of performance. In such a case one's judgment must be largely based on any indications of milking ability that her general conformation may bring to light. This may or may not be supplemented by the owner's acquired knowledge, but if so, it will be necessary to size up the latter as well as the cow. Eagerness to sell, sometimes leads to more or less exaggeration, intentional or otherwise. Then, there is the fellow who is as mum as a clam All he will say is, "There's the cow, you can see for yourself." I am always suspicious of this kind. If a man has a good thing he can't help saying so, though in his cnthusiasm he may forget to place proper emphasis on some of the weak points.

In looking over a dairy cow, the thought upper most in my mind is, how much milk will she yield. That is what I am paying out my good money for; that is what I expect to feed her for. She must show promise of giving good results With this idea foremost, the udder is naturally suggested first, because it is here that the actual making of the milk takes place. Now, I favor a large udder every time, but want to know right at the start of what texture it is. Even though it has the appearance of that belonging to a 30pound cow on test, yet if it does not milk out small and soft like an empty glove, with no sign of beefiness. I stop right there. Having been fooled once with a big meaty udder, I don't propose to be bitten again on that point. The shape too, is of importance. Development should have been made horizontally, rather than vertically, that is, it ought to be carried far forward along the belly and well up behind between the thighs so that a complete half circle is visible from a side view.

As the milk secreted in the udder depends on the blood conveyed thereto by the so-called milk veins, one on either side of the belly, rising from a hole in the abdominal wall, it is essential that these veins and milk wells be of good size in order that a liberal blood supply be furnished to the udder. The Source of Pro-

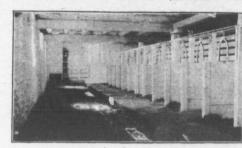
The Source of P duction.

Next, I want to follow this milkyielding blood back to its source. By what process is it produced and what indications are there of the

degree of ability that a cow possesses in performing this function? To get a fair idea of her qualities in this respect I want to know if the respiratory and digestive organs have the best possible chance of doing their work properly. That such may be the case, the chest should be deep and the ribs well sprung to insure a large lung capacity. The abdomen should be broatler than the chest, and hips set well apart to provide for eating and digesting large quantities of food. If these two points are satisfactory, the own in question will show a decidedly wedgeFARM AND DAIRY

shaped conformation common to most high producers. Such animals are likely to be veritable machines for manufacturing the food-laden blood and rushing & to the secreting tissues in the udder.

But this power to elaborate milk from blood is associated with another feature—that peculiar



A Stable that Meets with the Approval of the Health Inspector.

The milk produced in this stable, that of R. J. Waller, Peterboro Co., Ont., is retailed in the city of Peterboro. The stable is therefore visited by the Health Inspector at frequent intervals, who gives it his unqualified approvation of the fittings. Lots of whitewash, plenteous lighting good care explain its desirability.

— Photo by an editor of Farm and Dairy.

nervous temperament, the exact opposite of the placed character of the animal that turns its food into flesh. The nervous disposition one looks for in the good dairy cow shows itself an a bright prominent eye, the broad foreshead indicating a large brain room, and, generally speaking, in the loose open character of the carcass as compared with the closely knit, compact frame of the ideal beef animal.

There are a host of other little signs that help one in a measure to discern the productive ability of a cow when resort cannot be had to a carefully kept record of her milkings. The trouble is one may be tempted to put too much weight on them. After all, a strong constitution, large



Uniformity that is the Result of Good Breeding.

Some of these cows, the property of W. P. Bell, Carlston Co., Ont., are pure bred. Others are Holstein grades would be a shread stockman who could accurately be a shread stockman who will consistently use good buils of one breed.

digestive capacity, and a good udder with secretory powers sufficient to perform its peculiar functions, are the main points tr look for. Personally, I pay little attention to the diameter of a cow's tail, the equare inch area of her escutcheon and similar details. If bossic passes muster on the three important points mentioned in the foregoing, matters of less import have a way of failing into line.

Money is the idel of the age; plain living and high thinking the ideal.

### How Your Time is Wasted

With labor as scarce and as high as it is at the present time every effort should be made to use the available labor, farm power, and all machinery in the most efficient possible manner. It 25 per cent, of the seed cor,

fails to germinate there will be but 75 per cent, of a stand This means that onefourth of the time of the men who plow the ground, prepare the seed bed, plant the corn and cultivate the crop will be wasted. If this is coupled with a deficiency of plant food in the soil there will be a greater reduction in the labor efficiency of all men, teams, and machinery employed in growing the crop. It is times such as these that compel everyone to take an account of stock. Certainly one of the most inefficient practices on the farm

is the constant cultivation of land that fails to produce its maximum because poor seed is planted or the ground is sour or water-logged or deficient in plant food, preventing large crops.—J. W. Henceroth.

# Tractor Experience in Huron

And Something of Its Limitations J. N. Kernighan, Huron Co., Ont.

SME time ago Farm and Dairy asked for our experience with our gas tractor. I delayed answering until we could determine how it and anyor spring. It has been a poor spring to work the land, as it never dried out properly, but the tractor proved that it could do the cultivating quicker and better than horses where the land was not too hilly.

In the first place, I would not advise anyone buying a tractor if his land is hilly, because good work cannot be done on hills, either plowing or cultivating, especially if the land is light, as the engine will adde #MP. Our tractor is an 8-16 horse-power oil burning, and we find that it has power enough to draw three 16-inch plows, or a six and a half foot stiff tooth cultivator with the harrows behind, where the ground was level, but where there was a hill to climb the harrows were too much of an over-load for it. A 10-20 horsepower would work much more satisfactorily where the land is rolling, because you would have the extra power to carry it over the tough spots.

With the six and a half foot cultivator fifteen acres can be cultivated in ten hours with the eighty-rod rounds, and between four and five acres plowed.

We find that the coal oil gives perfect satisfaction in the engine. We have never had to clean ours eince we got it, and also the engine runs smoother on the coal oil than on gasoline, and there seems to be as much power in the oil when the engine gets thoroughly warmed up.

It is rather hard to figure the difference between operating it and horses, but taking prices now, coal oil, 20 cents and oats 80 cents, it would cost for the engine, oil, 15 gallons per day, \$3.00; oylinder oil, etc., 50 cents, making a total of \$3.50. Figuring on a four-horse team, and I dowth if four horses would draw the cultivator, certainly not

at 80 cents in favor of the same a We find one gallon and three

WE hea ther street. Les He is a you sumed the two years a Holstein fer is all before start toward steins to rep under his fa well worth with it the f made what clover, corn a put money stored fertili father and s blazed trail t

The soil near which th are wide stre not have to t most blow sar ridges runnin was on one o the Snowden under cultivat tated against attempted to grain as a co income. Succ come when d The first cow grades. But t system of agr a cash crop a on the place as manure. · C improved, and nature of the hibit the grow but good profits being grown. is continually

"We started or five years Snowden, Jr. cow's milk nigh at the end of just what each Of course, 110 ing for some ye had judged the appearance and do at the pail. figures influence Holstein, becaus ing of our Holst A Start WI

"Two years ag
Nr. Snowden, in
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She is now (early
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Belleville sale, a
more pure bred t
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Ornydike Pietertz

the season through, oats, one and a half bushels at 80 cents, \$1.20; thay, \$1.00, a total of \$2.20; \$1.30 in favor of the horses; but you mutt feed them the same amount when not working.

We find it takes between three-quarters and one gallon to cultivate an acre, and between two and three gallons to plow, it depending on depth and soil. The main argument for the tractor 18, that it will stand up to the same amount of work day after day the whole year through, and does not get thin or sore shoulders.

We find that our tractor gives satisfactory power on the beit, and being throttle-governed, runs as steady as a steam engine.

# A Start With Pure Bred Holsteins

And What Dairy Cattle Are Doing For a Poor Farm

E hear of the majority of successful dairymen after they have made a name for themselves and have moved on to easy street. Leslie C. Snowden is not of this class. He is a young man in his early twenties. He assumed the management of the home acres just two years ago. He purchased his first pure bred Holstein female at the same time. His future is all before him. But he has made such a good start toward building up a herd of quality Holsteins to replace the good grade herd established under his father's management that this story is well worth telling, especially when we couple with it the fact that the Snowden farm has been made what it is by dairying. Good dairy cows, clover, corn and a silo are a combination that have put money in many a farmer's pocket and restored fertility to worn out land. The Snowdens, father and son, have followed along this well blazed trail to success in dairy farming.

The soil around the Town of Bowmanville, near which the Snowdens live, is variable. There are wide stretches of excellent loam. One does not have to travel far, however, to find sand, almost blow sand, and ocasionally there are gravel ridges running through the fertile sections. It was no not of these gravel ridges that we found the Snowden farm of 130 acres, 100 of which are under cultivation. The ch-racter of the soil militated against success when the older man first attempted to farm it along general lines, with grain as a cash crop and the main source of

income. Success reelly began to come when dairying was adopted. The first cows were very ordinary grades. But they represented a new system of agriculture, with milk as yatem of agriculture, with milk as a cash crop and the feed produced on the place returned to the fields as manure. Gradually the fertility improved, and crops increased. The nature of the soil will always prohibit the growing of bumper crops, but good profitable crops are already being grown. And the Holstein herd is continually increasing.

"We started keeping records four or five years ago," explained Mr. Snowden, Jr. "We weighed each cow's milk night and morning and at the end of the year we knew Just what each cow was doing for us. Of course, we had been delirying for some years before that, but had Judged the cows on external appearance and what they seemed to at the pall. Our first accurate figures influenced us to favor the Holstein, because of the good showling of our Holstein grades."

A Start With Pure Breds.

"Two years ago last March," said
Mr. Snowden, in telling of his experience with
registered cattle, "we bought our first cow at the
sale of P. H. Jones on the Kingston road. She
made just \$8,000 žbs. of milk in her first period.
She is now (early in May) making 40 žbs. of milk
a day, and she calved on January 15th. At the
Belleville sale, a year ago, we purchased three
more pure fored females. The best of the three,
Ornydike Pieterize Korndyke, was freeh a month

when I got her, and in the next ten months she gave 13,000 lbs. of milk. We got \$245 for her milk alone. The next cow, that large white one, was just 500 lbs. behind the first and the third cow 500 lbs. of milk behind the white cow. We paid \$500 for the three, so you can see they paid for themselves the first year with their milk."

The animal of which Mr. Snowden expects the most, however, is a helfer that he bid in at the Belleville sale this spring for \$305. She is a half sister of May Echo Sylvia. Freshing at two years and one day, she was averaging 50 lbs. of milk a day when I saw her a month later.

A Small Herd. The herd is not a large one. Usually nine or ten cows are milked. Last year the milk shipped to the Farmers' Dairy Co., Toronto, showed an average return per cow of \$172; over \$1,700 in all. Good breeding was probably the most important factor in this creditable production, but good feeding and good care also had an important influence. The buildings are old, but the cow stable had cement floors, the walls glistened with whitewash, the animals were all well bedded, and the milking herd gave evidences of a daily application of curry comb and brush. Corn ensilage, roots and clover hay supply the roughage. Home-grown grains are all fed on the farm and concentrates are purchased in addition.

Last year 13 or 14 acres were in corn. "We intend to fill our silo in the fall," remarked Mr. Snowden, "and then refill in January. This would



A Home-Made Stave Silo on Farm of Leslie F. Snowden, Durham Co., Ont.

fore chore time. Leslie was at the barns caring for the stock. Just as we were leaving his father came in with the team. Mr. Snowden, Sr., while he has turned the active management of the place over to his son, has not left the farm. He has built a house for himself on the place, and still takes an active part in the farm operations. Father and son are still partners. The development of the Holstein herd, however, will devolve on Leslie, and we predict that in time this herd will make a name for itself in Record of Performance. This prophecy is based on the excellent foundation that has been laid in the first two

years, and the enthusiasm and good judgment displayed by their young owner. I enjoy a visit with an enthusiastic young man quite as well as a visit with a successful older man.—F. E. E.

# Dairy Development

N the average dairy farm the heifers are bred to fresher when two years old or slightly over; sometimes slightly under. On a few farms here and there no heifers freshen for the first time until 30 months old or more. Given the same conditions of feed and care a comparison of the stock of herds following these two different systems of breeding, is illuminating. The herd in which there are no junfor two-year-old milkers will invariably be comprised of cows of greater size and capacity and, therefore, breeding considered, the most profitable producers. Early breeding is one of the greatest mistakes of dairy farmers to-day. Its effects can be overcome in a measure by

good feeding and care, but the best development accompanies later breeding. At the Ormstown Fair last week a young man remarked to us:

"Our cows would not stand a chance here. There are too many junior two-year-olds in our herd. Prof. Barton is right; you can't breed young and get development. We are going to carry our spring calves over to fall now and have them come in at 30 months."



A Cow that Paid for Herself in One Year.

This is one of the foundation cows in the pure-bred herd of Leslie C. Snowden, Duram Co., Ont. In the first ten months after her arrival in farm, she produced will be a supported by the first paid for the walte of \$346. She and two others purchased at the same time paid for themselves in the first year.

—Photo by an editor of Farm and Dairy.

give us summer silage without going to the expense of putting up a summer silo. The crop was short, however, and we filled the silo just once and will have to depend on pasture this summer." The silo in question is 14 by 32 feet, of staves on a concrete base, and cost \$130 to erect, including the roof.

Retiring on the Farm.

I happened in at the Snowden farm just be-

# TO SMASH THE HUNS WHEAT IS AS ESSENTIAL AS SHELLS

Canadian farmers who raise more wheat are fighting the Empire's battles as effectually as the man who risks his life in the trenches. The British Government says that but for the use of fertilizers the Germans would have been starved out before the end of the second year of the war.

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### FEEDERS CORNER Conducted by E. S. Archibald.

Feed for Cow Test.

Feed for Cow Test.

EXTPOT my best cow to freshen in June. She should make 70 or 80 fbs. her on test. We are going to put the ron test. The pasture is good clown, the outest. The pasture is good clown, the contract is good clown. The pasture is good clown should be contracted addition, all grains and concentrates having to be purchased at prevailing property of the contract of th

grain rations which might be success grain rations which might be successfully fed to cows on pasture, and if it is desired that the very best record be made, one of the following rations, even though slightly too expensive for regular commercial feeding, may be used advantageously. Grain ration No. 1 consisting of oats two parts, bran two parts, oilcake one part, dry distiller's grains two parts and cottonseed meal two parts, will be found satisfactory. Another ration very suc-cessfully used by many feeders consists of bran 200, dried distiller's grains 200, oats 125, gluten 125, cotton seed meal 100 and oilcake 100. cheaper ration might consist of ground oats 200, ground corn 100, dried dis tiller's grains 200, cottonseed meal 100. Undoubtedly, at the present price of grains and concentrates, such rich concentrates as cottonseed meal and dried distiller's grains are the cheapest per pound of protein, but it is necessary that a limited quantity of oats, bran or the like be used in order to keep the meal ration light and palatable.—E.S.A.

Alfalfa and Corn-No Grain

Alfalfa and Corn—No Grain
A Tan Inatitue heid here last winter,
a speaker contended that the most
made profit from dairy cows would be
made profit from dairy come alonged
ling absolutely no grain, except to very
beavy milking cows. Was this good adrealing the common description of the common description
realing the common dairy of the common dairy
least the common dairy of the common dairy
made a tremendous effort to grow it—Dairymade a tremendous effort to grow it—Dairy

Whether or not grain can be profitably fed to dairy cows depends largely upon the condition and quality of the cows, the amount of milk which they are capable of producing and the price of meals. Generally speaking, it does pay to feed a limit ed amount of grain to cows produc-ing a reasonable amount of milk. The food requirements of the cow are twofold namely—for a bodily mainten-ance and for milk production. For the pregnant cow there is the third utilizing of feeds consumed. The 1100 pound dairy cow requires .533 pounds of digestible protein per day for bodily maintenance. For the pro-duction of 30 pounds of milk containing 3.5 per cent, butter fat there is required 1.35 pounds of digestible protein, hence there is required for the 1100 pound cow giving 30 pounds of milk at least 1.88 pounds of digestable protein. With the feeds mentioned, there would be required 22 pounds of alfalfa hay, 40 pounds of corn ensilage and 20 pounds of mangels. It is quite probable that with the present feed prices, such a ration for the cow producing 30 pounds of milk might, under certain conditions, be more profitable than where grain was included. However, the writer would strongly advise that part of the aMalfa hay be replaced with about four pounds of a meal mixture composed of bran, ground oats, dried dis-tiller's grains and cottonseed mixed equal parts. It must be remembered that the alfalfa hay contains double the amount of digestible protein of that contained in mixed timothy and clover hay, and over three times the amount of that contained in clear timothy hay. The quality of the alfalfa hay also very largely would govern the advisability of feeding a greater or less amount of the above meal mixture. Generally speaking alfalfa is worth nearly as much pound for pound as bran in the production of milk, and where this leguminous crop can be grown successfully every effort should be put forth to do so.—

Pasture for Work Horses.

Pasture for Work Horses.

WOULD like some light on handling our working horses through the summer. Will need them for work on the farm, will do a little teaming besides, but there will be days at a time when they them on pasture during the idle days, or should I keep them on day feed, always hard and ready for work?—J. P., Oxford Co., Ont.

Whether or not it is advisable to turn the horses on grass during idle days depends largely on the feed which they are getting and the amount which they are getting and the amount of work which they are required to do when in harness. Above all, it is necessary that all changes in feed must be made gradually. How a which have been on regular hard work during spring and early summer should be let out on grass only for a short time until they are accustome to this soft, succulent, laxative food If these horses are to be idle five days or more it might be advisable to dis-continue the hay ration after the second day. If, however, the idle per-fods amount to only one or two days it would certainly be advisable to continue the hay ration and reduce the grain ration not more than one-third. Although the writer is strongly of the opinion that all horses are better from having two weeks or more ture each year, yet he would strongly advise against the practice of making the horses subsist largely on pasture for the roughage when on regular work. If the horses are to be always ready for hard work it is advisable that the ration should consist largely of dry feed .- E.S.A.

### Millet Seed for Stock.

HAT is the value of millet seed as a stock feed? To what classes of stock can it be fed most advant-ageously. Please make particular men-tion of its value for horses.—Subscriber, Ontario Co., Ont.

Millet seed can be fed most advantageously to hogs or lambs. Experithat in hog feeding it could be suc-cessfully used, but that it required one-fifth more than either wheat or barley in order to make the same be fed alone, and is better mixed with corn or barley or, better, with the richer protein meal, such as linseed oilcake or wheat middlings. If fed in any quantities it tends to produce soft pork. Ground millet seed has also been used to good advantage in the feeding of beef cattle, but about six per cent. more of this grain is required than corn in order to produce the same gains. There is here also, a tendency to produce soft meats.

Millet seed has also been used to advantage in the feeding of lambs. It, however, must be crushed and fed in conjunction with some other grain. Under these conditions it has about the same feed value as corn. There is no experimental evidence as to the value of millet seed in the feeding of horses, nor has the writer had any experience therewith. Whether or not there is the same danger in the feeding of millet seed to horses as there is in feeding millet hay is doubtful. However, there seems no reason why a limited quantity of millet seed, not exceeding twenty per cent. of the ration and mixed with oats or oats and bran, could not be fed successand oran, could not be red success-fully. If there is any appearance of stiffness or swelled joints or any di-gestive derangement the crushed mil-let seed should immediately be dis-continued.—E.S.A.

HE artic Dairy some f venture upon tractor. For ant that he as to the con

June 14, 19

The Oi

when using a monetary suc be warned ag gether spell f Conditions T The plowing ally the deep of level land,

or stones. The When seed When such fields, especial

When a prop of agricultural ed or is avail power of the t a complement When the

threshing outfl fit, a grain hus saw outfit to o some of which power of the ti is not used for The cost of outfit necessary

financial benefi fore only such large areas of in making the able investmen son why three ing adjoining la provide require use the tractor their mutual be and machinery per day, such necessary huma mit the work b ating night and

The complete follows, with a hours:

8-16 oil gas trac 3 14-in. bottom g 2 8-ft. double dis 5-ft, tooth har grain drills, 8 7-ft. mowers 2 8-ft. binders ...

Conditions That

When purchase does not possess purchase or hi the tractor profits

When purchase does not plow or acres of land per reasonable expect to plow or cultiva longing to his nei

When purchas is broken up with these stumps and moved, in which o will be found to

When purchase land broken up swamps or soft pl

No business suggestions. T his legal paper reason, the da

# The Oil Gas Tractor---Its Possibilities---Part 2

# Some Things to Consider When Purchasing a Tractor

By Louis Simpson, Ottawa

HE article published in Farm and drained land), or where the cultivat-Dairy of May 24 may induce able soil is very shallow. Also where example and a very shallow also where some farmer at a future date to the land is very rolling and with steep venture upon the purchase of a farm tractor. For this reason it is important that he should be fully informed as to the conditions that together, when using a farm tractor, make for monetary success, and that all should warned against conditions that together spell financial failure.

Conditions That Make for Monetary

The plowing and cultivation, especially the deep plowing, of large tracts men) by aged men and very young of level land, free from stumps, rocks men, even by women without overtaxor stones. This land need not be under one ownership.

When seed land is underdrained. When such land is laid out in large fields, especially when the fields are square or oblong.

When a proper and full complement of agricultural implements is provided or is available, so that the full power of the tractor is utilized. Such omplement is described later on.

When the farmer owns a small threshing outfit, a small ensilage outfit, a grain husking outfit, or a circular saw outfit to cut up cordwood, all or some of which can be operated by the some of which can be operated by the power of the tractor when the tractor is not used for other purposes. The cost of the tractor and of the

The cost of the tractor and of the outfil necessary to secure the possible financial benefit is considerable, therefore only such farmers who farm large areas of land would be bastilled in making the necessarily considerable investment, but there is no reasonable traces of the contract son why three or four farmers, farming adjoining lands, should not jointly provide required funds or credit, and provide required funds or credit, and use the tractor and machinery for their mutual benefit. As the tractor and machinery can be used 24 hours per day, such a combination of the necessary human element would permit the work being done during fine weather without any cessation, operating night and day.

3 14-in. bottom gang plow. 8 to 10 acres

8-ft. double disc harrows .. 38 5-ft. tooth harrows .... 36 grain drills, 8 ft. ..... 38 7-ft. mowers ...... 33 2 8-ft. binders ..... 38

8-16 oil gas tractor.

Conditions That Spell Financial Failure.

When purchased by a farmer who does not possess or who is unable to purchase or hire the implements necessary to make the operations of the tractor profitable.

the tractor profitable.
When purchased by a farmer who
does not plow or cultivate at best 40
acres of land per year and who has no
reasonable expectation of being able
to plow or cultivate for hire, land belonging in his neighbors. longing to his neighbors.

longing to his neighbors.

When purchased to operate upon land that is full of tree stumps, or is broken up with rocks, etc., without those stumps and rocks being first removed, in which operation the tractor will be found to be of great assistance.

Advantages That Accrue From Tractor.

Reduced cost of plowing and of cultivation.

The possibility of using deep plow-

The possibility or using deep proving and also deep cultivation.

The making poesible the undertaking of the most arduous form of farm work (now only possible for strong work (now only possible for strong the control of the control ing their strength.

The possibility, when necessary through bad weather, of continuing to through bad weather, of continuing to plow seed, or harvest during the night, thereby assuring the several vital operations that have to be successfully carried out by the farmer being so completed that the farmer is assured of reaping the largest possible financial return. In fact, the tractor gives such a flexibility to farm operations that the control of the such as the control of th tions that it is now possible to have each of the operations completed at the right time.

To quote: "A tractor gives a man To quose; "A tractor gives a man power to plow deep and to plow quick; power that is not stopped by hard frost, bad weather or files; power that will run day and night if necessary, and power in a concentrated form, so that one man can do as much work as two or more men with horses. Pro-bably there is no kind of work for which the tractor has been found more which are tractor has been round more satisfactory, outside of plowing, than for harvesting. The grain must be cut quick when it is just ripe, and it is then about the hottest time of the year. It is a wonderful satisfaction to the property of the proper cut your grain with a tractor, as you find it does not have to stop to rest, necessary human element would permit the work being done during fine
mit the work being done during fine
weather without any cessation, operating night and day.

The complete tractor outht is no
bolious, with acreage worked in 10

the size of the ultimate yield."

Lastly, "Most men who buy tractors Lantzy, Acost men was buy tractors find, after they have them, that they use them for many more kinds of work than they at first intended when they bought. They also learn that the extra power they have is of great advantage in them in doing this work!" vantage to them in doing their work."

#### Items of Interest

According to a report which comes from Ottawa, rural free mail delivery routes in Canada, increased in number routes in Canada, increased in number from 614 to 3.588 between Oct. 1, 1911 and March 31, 1917. The number of mail boxes served, increased from 15,015 to 185,042. In the same period 2,682 new postoffices were opened.

The York County Holstein Breeders' Club will hold their first annual picnic at Bond Lake Park on Wednesday, June 13. Prof. H. H. Dean of the day, Jone 15. Frot. B. H. Dean of the Ontario Agricultural College and Mr. W. A. Clemons, secretary of the Cana-dian Holstein Association, will give instructive addresses and a practical demonstration on the strong and weak sounds of a days one. A stock though ance.

When purchased to operate upon ing contest for men under 30 years land broken up with barren places, and aporate obti men and women, awamps or soft places (that is, badly will be other features of the outing.

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.

# Better Ensilage at less Cost with TORONTO Silo

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Write for our Illustrated Boolet telling all about them. 15

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#### POINTS TO CONSIDER WHEN PUR-CHASING A RAILWAY TICKET

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Wheat Prices and Egg Quotations.

NTARIO wheat now sells over the three-dollar mark. Western wheat is still high. Can the poultryman afford to buy it? Not long ago an Eastern poultryman in con-sidering this question, decided to lay the case before Mr. F. C. Elford, Do-minion Poultry Husbandman. Mr. Elford replied to the enquiries of our troubled friend as follows, and we pass on his reply for the benefit of other Farm and Dairy readers who may be similarly perpleyed:

"I am not sure that I can help you out an awful lot," writes Prof. Elford, "but judging from our results this winter compared with last winter, I think that usually we can almost take it for granted that the price of the product raises relatively with the cost of the raw material. This is not always the case, but it has been the case with eggs. We find here, that taking the months January to May, 1916-17, the increase in cost of feed was 46 per cent., whereas the increase in price received for eggs was 60 per

what we call a commercial pen of pullets, and which laid about the same percentage this year that they

of course the cost of producing eggs depends very largely upon the egg yield. During this year, up to the first of May in the pen which I speak of, and which was not in any way phenomenal layers, the average cost of producing one dozen eggs for the various months was: January, 20.6c a dozen; in February, 23.7c; in March, 11c; in April, 13.6c. Our prices for these months were: January, 70c; February, 60c; March, 50c; April, 50c. At this rate there was money in eggs, even though the price of feed was high, and though we may have obtained a little higher prices for our eggs than most people, still eggs were sold on the Ottawa market at much higher rate than we charged for

Leeds County Leads

HE poultry industry in Leeds County is booming. Walter H. Smith, district representative writes that an executive meeting or the Lansdowne association was held on April 4th. At this meeting it was decided that the best means of im-proving the poultry stock of the county was by means of stock inspection Then a special meeting was called with directors from South Lake, Caintown and Lansdowne present, and are-bred poultry association formed A embers of this association must first be members of the egg circle, and by paying an additional fee of 25 cents they will become members of the pure bred poultry association. By means of this association the branches will have any pure-bred flocks in the dis

the market and pure bred flocks mean uniformly colored eggs. The chief value from the pure-bred stock comes The chief from the marketing of poultry. bred poultry of proper utility type fatten more readily and make more economic gains than do inferior stock. The economical gain in itself is considerable advantage, but in selling of dressed pointry, we find a most decided advantage in having pure-bred stock, as a uniform pack will bring from two to three cents more per pound on the market than a mixed pack of birds of uniform weight

Some of the other advantages of the pure-bred association might noted. The school fairs and fa..... associations have been demanding pure-bred eggs for batching purposes and live birds for breeding purposes. The pure-bred poultry association can supply these.

### Wayside Gleanings By "Burnbrae"

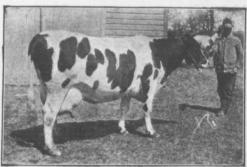
Look Ahead.

E had the corn ground ready to be sowed and horses and men waiting, but who was to do the driving? This was the condition of affairs the other day on the farm where we live. The men seemed to fight shy of the drill when it came to sowing corn, so I had to do the job myself.

Things went wrong in general for the first few rounds. The horses the first few rounds. The horses wriggled and twisted and the driver got excited, holding tightly to the reins and endeavoring to control every reins and endeavoring to control every step the horses took, for we were so anxious to have those rows of corn straight. If twists or crooks appeared straight. If twists of crooks appeared when the corn came up, we were sure to receive jests and possibly sneers about it. A few times across the field made the perspiration appear on both horses and driver. After the first few rounds, however, there came a voice seemingly from somewhere, which said "look ahead!" How significant and full of meaning those words were, for as soon as they were put into practice the troubles and perspiration "dried up," and the perspiration "dried up," and the crooks gradually disappeared. Everyone who has performed this duty knows how true it is that when the wheel mark is watched for some distance ahead it is much easier to keep the rows straight.

Experience has taught us that this is as true in other things. When we first got our Ford we bumped into things until we learned to "look ahead. The farmer who did not look ahead far enough to get his manure out in the winter or spring is getting behind with his work about now. The dairy-man who has not sown something to supplement the pasture for the cows will find his milk cheques "dropping behind" after a while when these pas-tures get bare and dried up. The orchardist who neglects to spray will surely see the apple tree leaves dis-appear when the worms begin to grow and will have plenty of cull apples to go to the cider mill or

next fall. We could soon enumerate quite a we could soon enumerate quite a collection of things which are sure to happen if we do not "look ahead," but these will suffice. It must be re-membered that the farmer's lot consists for the most part in planning for the future and thus progress is It is gratifying to know also that things run much more smoothly when the driver is "looking ahead" and careful, consistent planning of all things is one of the main factors of



A World Champion in Her Class.

ady Segis Walker, a daughter of Count Segis Walker, in the herd of Purtelle and Leaveng of Bloomfield, Ont., holds but the Canadian and the world's record as a d'three-duarter" cow producing 1014; bis. milk in 1 day. Her 7 day record is 28.5 bis butter from 68 ibs. milk. Note the splendid veining. It was unfortunate that as a helfer sho lost one quarter. Piffet othows her as a 3-7;-old.

1916, because of the relatively higher price of eggs over cost of the feed fed

We have not used as much wheat this year as usual, but have mixed in other feeds as they could be pur-chased. During the summer we will feed a good proportion of bran to all growing chicks, and mixed grains as we can buy them. In order, however, to cut down the cost we will market the cockerels throughout the season as the demand and price will justify. Much of the high cost of production is brought about because we do not get rid of our birds at the right time, and I think that good, plump broilers will be fairly high, and the more we can sell of the cockerels when they are plump, up to two or three pounds, the better. It will save feed and

room for the pullets.

"Referring again to new-laid eggs,

laid last, they gave us much higher trict at their disposal to secure eggs revenue during 1917 than they did durfor hatching. The Live Stock Branch at Ottawa is encouraging this movement and promises to supply a com-petent judge for doing inspecting work. Members owning pure bred flocks, by notifying the secretary of the Poultry Association, can have their flocks inspected. Members having flocks passing inspection will receive a premium on all eggs marketed to the egg circle. For all eggs sold for hatching they will receive an advance ed price. Members of the egg circle requiring eggs for hatching may purchase these eggs, supplied as indicated above, at a very small advance over regular prices, by paying approximate regular prices, by paying approximate-ip 10 cents per dozen over the regular market price. As a further incentive to pure-bred, poultry breeding, the Association guarantees an advance price of one cent per pound for all poultry marketed in the fall. Eggs uniform color sell at a premium on

June 14,

The (Cont W. G. McAr

W. G. McAr
Ared buil
Acted buil
A

lan (this calf of Masterpiece meal); 2, R. F D. T Ness. Bull, Junior Grand cham Andrew, R. R

Dry covar, and on; 2, Lochic 3, Callin's Be May Blesson Cove; 2 Fra. eas 20d, R. R house Meg and Hader, senie Hader, senie Hader, senie Hader, senie Cavers McArt State of the Cavers State of t

Graded hords:
T. Ness, Cavers
Junior herd:
Gordon, Cavers,
Four, get of s
D. T. Ness, Cav
Two, progeny
house Milkmale
Noss, Hobsland
Burnside Pearl 4
Four females Four females Cavers, Gordon.

The H

OLSTEINS fill the the Ayr this year was a addition to blace This herd was lent show fit, as of individuals to first place in an was no fitting of this ne the other exhibit composed of were not sufficie feed and scarolty est general crit sized individuals. conformation an

Younie & Son, Helm & Sons, He dividual entries.

lacking in devel

pal exhibitors we

Neil Sangster, dale Farm; H. H.

The two outsts

The Ayrshire Classes (Continued from Page 2.)

Ayrshire Awards-Male. Agred bulls: Glenhurst Tores Mayor,
Aged bulls: Glenhurst Gle

onet, Baliantyne. "Ginapination Bar-Bull, seniori yearling: 1, Burnaide Denty Bull, seniori yearling: 1, Burnaide Gépay Lead, Geo, Lope, Alliai, Burnaide Gépay Lead, Geo, Lope, Alliai, 1, 2 and 2, Auch-enbrain Sir Andrew, Notherall Counter-enbrain Sir Andrew, Notherall Counter-ter and Holshouse Hopeful, R. R. Ness: 4 and Holshouse Hopeful, R. R. Ness: 4 and Food Crotton, Markhuri 5, Mc-Millan.

fillan.

Bull, senior caM: 1, Goldpiece, McMiln (this calf a combination of the blood
Masterpiece, Perfect Piece and PieceT Ness; 3, L. J. Tarte; 4,

D. T. Ness.

Bull, junior caif: 1, Ness; 2, Logan,

Grand champion bull: Auchenbrain Sir

Andrew, R. R. Ness.

Andrew, R. H. Ness.
Female Awards.
Dry cowa: 1, Lochfergus Cherry, Gordon; 2, Lochfergus Catharine, D. T. Ness; 3, Catlin's Belle, R. R. Ness; 4 and 5, May Blessom and Ryanogue Genevie,

Associated Belle, R. R. Ness; 4 and 5, Cavers. Score and Ryanogue Genevie, Cavers. Cov. 2 pr. 0. dq. rj. 1, Burnside Baron-Robert States, and 5, Stone-house Mer. States, 2 and 5, Stone-house Mer. States, 2 and 5, Stone-house Mer. States, 2 and 5, R. Robert States, 2 and 3, R. Robert States, 3 and 3, R. Robert States,

Group Awards Graded herdar R. R. Neas, Gordon, D. T. Neas, Cavers, Logan.
T. Neas, Cavers, Logan.
Junior herd R. R. Neas, D. T. Neas, Gordon, Cavers, Logan.
February, et al. of size: R. Neas, Gordon, Cavers, Logan.
Two, progeny of cow: Gordon, Stene-house Milismald Cavers, Volett R. R. Neas, Hobbiand Barbara; D. T. Neas, Four february this program of the Cavers, Gordon in milk: R. R. Neas, Cavers, Gordon in milk: R. R. Neas, Cavers, Gordon.

### The Holstein Classes

OLSTEINS at Ormstown never OLSTENNS at Ormstown never fill the classes a fully as do the Ayrshires, but the children the fill the fret place in any showing in Canada. Money was no consideration in the fitting of this new herd. The most of the other exhibits, however, while composed of excellent individuals, condition asily explained by high-priced feed and scarcity of labor. The greatest general criticism of all classes would be the large number of undersized individuals, animals of excellent. ander. I raymond: Z. Alexsized individuals, animals of excellent
conformation and good breeding, but
lecking in development. The princiall exhibitors were:

- Four animals in milk: Raymond, Alexander. pal exhibitors were:

Neil Sangater, Ormstown; Raymon-dale Farm; H. H. Craig, Howick; Alex. Xounie & Son, Tullochgorum; Jacob Helm & Sons, Huntingdon; J. J. Alex-sorder, S. Lystic, Georges

The Ayrshire Classes
continued from Page 2.)
J. Tarte, Boucherville, and do to be along the armony record of 35.5 bb. buttles at three years. Sectabur.
Ayrshire Awards—Male.
builts, Classes, an almost perfect udder, a record of 29.5 bb. buttles at three years. Sectables, and to be along the armony record of 35.99 bbs.
builts, Classes, an almost perfect udder, a record of 29.5 bb. buttles at three years. Sectables, and to be reload to the reload t milk 122.5 lbs. The udder of this lat-ter cow, however, was somewhat pendulous and she lacked in conformation as compared with her stable mate, Neil Sangster also won frequently in the cow classes, and several other ex-hibitors had out good ones, but generally they were lacking in fit and somewhat in substance, as compared with the leaders.

Among the bulls the most outstanding individual as Pontiac Korndyke
Het Loo, the swamondale herd sire.
This bull is 1 wamondale herd sire of Het Loo Pietertje, the ask the
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s Among the bulls the most outstandstyle and substance when compared with Pontiac Korndyke Het Loo. Angus McNaughton brought out a nicely proportioned two-year-old that won over a good second in Mr. Sangster's We a good second in Mr. Sangster's Hällside Sam Bonersee, principally on the greater indications of udder room. W. J. Scott was first with both senior and junior yearlings, Raymond with senior calf, and Winter with junior

Holstein Awards, Male ac Mutual

Bull, junior yearnin south; 2, Asexander; Bull, senior calf: 1 and 2, Raymond; 3, Jordann, Brysonville.

3, Jordann, Brysonville.

5, Jordann, Brysonville.

Rutherford, Ormstown; 5, Moore; 4, Arch. McNell, Ormstown; 6, Moore; 6, Arch. McNell, Ormstown; 7, Dull, grand champion: Pontiac Korn-Bull, grand champion: Raymond with senior bull calf.

Female Awards

Female Awards.

Dry Cows: 1, Lena of Pleasant Valley,
Sangster; 2, Artis Queen of Huntingdon,
Helm; 3, Craig; 4, Lulu Cornucopia De
Kol, Younle; 5, Queen of the Kalmars,

Heim; 3. Craig: 4. Luku Cornscopia De Meim; 3. Craig: 4. Luku Cornscopia De Meim; 4. Luku Cornscopia De Meim; 5. L

Female champion: Francy Bell Wayne. Graded herd: 1, Raymond; 2, Alex-

nder. Young herd: Raymond, Alexander. Four heifer calves, owned and bred by shibitor: 1, Raymond; 2, Alexander; 3,

Jerseys at Ormstown

Helm & Sons, Huntingdon; J. J. Alexander, St. Louis Gonzave; Thomas Moore, Ormstown; Jae, Winter, Ormstown; W. J. Scott, Tateburet; Jao, Dixon, Tateburet, and others with a rincipal exhibitors being B. H. Bull dividual entire.

The two outstanding females were Bros, of Cownaeville, Que. The first the first and second milk cows. Francy

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ample rainfall
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on the continent; the latter has been Sam, Bull; 2 and 4, Ruiter; 3, Bull, very successful at Ouebec fairs. The Junior bull calf: 1 and 3, Bull; 2, very successful at Quebec fairs. The Brampton herd was well represented. though, of course, many of their be animals are timed for Toronto Exhi-bition. The strength of the Ruiter herd was a surprise to all, and the money was fairly well divided all the way through. Both championships, however, remained with the Brampton

In males, Ruiters' most notable win was in the senior class with Cana-dian Fairy Boy. In Brampton Radidian Fairy Boy. In Brampton Radi-ator, howeaver, Bulls hd a two-yearold with depth, strength and charac-ter, and he was rather an easy champion. Another very nice animal was the first senior bull calf. Some of the the first senior bull calf. Some of the cow classes presented many difficul-ties to the judge, owing to the diver-sity of type between the two herds. Of the championship, however, there could be no doubt, it going to Bramp-ton Matitand B., a dry cow that gave all indications of being a great Jersey great dairy cow. The awards in 3,

Jersey Awards, Male.

Bull, mature: 1, Canadian Fairy Boy,
Ruiter: 2, Brampton Brurna King, Bull.

Bull, 2 yrs.; 1, Brampton Radiator,
Winter, Ormstown.

Bull, 1 yr.; 1, Bull.
Senior bull calf: 1, Brampton Bright

Ruiter, Bull, champion: Brampton Radiator. Female Awards

Mature cow, in msk: 1, 2 and 4, Brampton Lady Alden 2nd, Marcia and Kathleen of Roelin Park, Bull: 3, Poliette of Pinehurst, Rutter.
Cow, 3 yra, in milk: 1, 3 and 4, Hilda of Roelin Park, Brampton Canary and Missie, Bull: 2, Ghost of Pinehurst,

of Rosslin Park, Brampton Canary and Missie, Bull: 2, Ghost of Pinehurst, Missie, Bull: 2, Ghost of Pinehurst, Hester, 2 yrs, in milk: 1 and 2, Honey-bee of Pinehurst and Pany and of Pinehurst, Ruiter; 3 and 4, Bull: Matter cow, dry; 1 and 2, Brampton Matter cow, dry; 1 and 2, Brampton Margaret K. Pale of Pinehurst, Ruiter; Bulle: 4, Pinehurst, Ruiter; Hoffer, dry, 2 yrs, old; 1, Lady and of Pinehurst, Ruiter; Lady Bull: 6, Pinehurst, Ruiter; Lady Bull: 6, Pinehurst, Ruiter; Brampton Margaret K. Ind. Bull: 1, In this class many would cow was a very bready looking helfer with a very shapely udden, but was criticated as being a title too mature to allow of our true development. 3 and 4, Bull: 2 and 5, Ruiter 4, Hoffer, senior calf: 1 and 4, Bull: 2 and Hoffer, senior calf: 1 and 5, Bull: 2

Graded herds: 1 and 4, Bull; 2 and Graded herds: 1 and 4, Bull; 2 and Rulter. Young herd: 1, Ruiter; 2 and 3, Bull. Get of sire: 1 and 2, Ruiter. Produce of cow: 1 and 2, Ruiter. Four cows, in milk: Bull; Ruiter.

Ontario Plans Improved Highways

Takes Newspaper Representatives on Trip of Inspection—More Centralization
Contemplated—Many Types of Roads Inspected

Hon. Findley McDiarmid, Deputy Minister, W. A. McLean, out lined this policy to representatives of the press last week during a tour of ection by automobile over several hundred miles of country roads. present the policy in one of mainten ance rather than of construction.
The aim is to hold what has been already constructed. In the meantime the highways department is organiz ing their resources and developing plans whereby they will be able to begin an extensive system of improve ment all over the country as soon as the war is over. The policy is one of cooperation and its success depends upon this. It is modelled after a system that is said to have proved successful in France

The plans of the government, as outlined to the newspaper men, are as follows: The government wishes to cooperate with the county council and make county roads out of the principai thoroughfares in the county. This means that the county council will take over and improve certain main roads in the county designated by the county and subject to the approval of the government. These roads are classified as primary or secondary, acing over them. The aid given is as follows: 60 per cent. towards con-struction and 20 per cent. towards maintenance of primary county roads, and 40 per cent. towards construction and 20 per cent. towards maintenance of the secondary county roads. ing the last 10 years about \$10,000,000 has been spent on these county roads by the government and the county council. The policy is one of cen-tralization, a gradual taking over by the county of the township roads, and these, in turn, aided by the govern-ment, and possibly taken over. Thus the central authority would be the government. The county authority would be the county council, and the district authority would be the township council. This policy is the one adopted in France, and which, it is said, has worked out satisfactorily.

HE provincial government has an While this is true, it is likely to be EF provincial government has an wine this is true, it is likely to be ambitious policy regarding fut. some time before our Ontario farmers ure road construction in On- will be willing to give over fully the The Minister of Highways, control of even main roads if it Findley McDiazmid, and the means that they will largely lose control of the tax rate as well

Roads Inspected. At 8.30 a.m., June 6, the party of some 12 newspaper men, representing the farm papers of the province, including an editor of Farm and Dairy, as well as representatives of some of the city dailies, assembled at the Parliament Buildings, Toronto, and proceeded on a tour, headed by the Deputy Minister, W. A. McLean, and later joined by the Minister, Hon. Finley McDiarmid. The idea was to travel over some of the improved or travel over some of the improved county roads and to compare these with certain township roads. The party first travelled north to Barrie, in Simcoe county. Both these counties have improved roads. There a detour was made southwest to Alli ton, where the warden, Mr Horrell and some of his colleagues were met The policy of the Simcoe council and past experiences along road

he party travelled southwest to in Dufferin county, and Orangeville. This was the oad inspected. Dufferin counnot yet taken advantage of the proffered government aid. Immediately Orangeville was passed the roads improved and continued good all through

aking lines was explained. From Al-

Wentworth and Waterloo counties.

At Guelph the warden Mr. Dickson and other officials were met in the evening. The next morning the party proceeded via Puslinch, Galt, Kitch-ener and Shakespeare into Oxford county. At Woodstock a pause was other counties. This permanency can-made for lunch, and later the warden not be too strongly commended. Conof Oxford county met the visitors. From Woodstock the route continued can possibly be used. The narrower through Brantford and stopped at creeks are being spanned by all-con-Hamilton. In the evening, after din ner, the party returned over the To-ronto-Hamilton highway to Toronto. On this tour good and bad roads were seen. The weather was rainy, and rather than construction. All of the thus conditions were ideal for meas-improved roads were well cared for, uring the various types of road, and the efficiency of the improved roads split-log drag is used to good advan-was fully demonstrated. Outside of tage in many sections. One problem Dufferin county, the town roads, with-

out exception, were the worst we came in contact with. The heavy rain did not have any effect on the improve county roads, but it converted the mud township roads into veritable bogs.

Objects of the Inspection. Briefly, the object of the inspection ras to (1) compare county and township roads; (2) to study the different types of road, also the bridges and culverts; (3) to find the condition of repair and maintenance cost: (4) to meet the county road officials and confer with them on various problems; (5) to note the type of country and its agricultural possibilities.

The county roads, without excep-tion, were good. Those that had been taken over some time ago were better than some of those taken over re-cently. Many counties took over some stretches of road last year. These have not been improved much due to Yearling helfer: I amu s, non-the state of the state of t eavy rains before and during our trip left them in poor shape. Continue heavy rainfall is the acid test of Continued good road. The township roads are, however, being improved. The township councillors are imitating the county council and spreading a good deal of gravel in their repair work, and also building more concrete culverts. Statute labor is not satisfactory. It will likely be discarded in the near future.

Types of Road.
The type of road varied according to locality. Out of Toronto, going north, a tar-macadam road has been con-structed at a cost of \$6,700 a mile. The cost of upkeep is about \$100 per The cost of upkeep is about your mile per year. This is a very good road. The tar is used to fill the voida instead of fine gravel and stone. Thus instead of fine gravel and stone. it cannot be blown out by heavy traffic. Some broken stone road was encountered on the trip, mostly on township roads. It is a step in advance over the mud road. For farm traffic it is good. It is, however, pretty hard on automobiles, many of which are now owned by farmers. Gravel roads seem to be the most popular, when underlaid with a good bed. One very good gravel road, from Tavistoch to Woodstock, was in a fine state of repair after ten years' service. The cost of upkeep was very low. Gravel roads cost from \$2,500 to \$3,500 a mile. They are serviceable, easy to keep up, and the material, in many sections, is easily obtainable.

The concrete road was investigated. Unquestionably it was the best road passed over in the whole tour. Toronto-Hamilton Highway is a good example of this type. First cost for concrete is very high, and it is doubt-ful if many miles of it will be constructed in the interior. Heavy traf-fic and frost will crack it, and after a years of service the upkeep will

One very desirable thing I noticed was the large number of permanent bridges and culverts that have been erected in counties that have taken advantage of the government aid. Steel-framed bridges with reinforced concrete floors were very prevalent in Simcoe, Wellington, Waterloo and crete is displacing steel wherever it crete bridges.

Maintenance and Repair. The county councils are spending ost of their money on maintenance considering the scarcity of labor. The

(Continued on page 20.)

The supply of good seed is very limited this year, so order promptly and avoid being disappointed.

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# Conditions Prevailing in Northern Ontario By T. G. Raynor, Seed Division, Ottawa.

been spent in seed inspection work in what is sometimes called New Ontario, or that part of Ontario and the seed of the seed o ing an exhilarating effect and keeping ing an exhibitating effect and keeping the spirit of the producers hopeful. The prices to be paid come hardest upon the man who has but limited capital and no earning power, and upon men on salary where it is so away that there isn't much chance for fixed that there isn't much chance for

a raise

The fairly good crop of potatoes which was obtained in many parts of Northern Ontario was a great boon to the farmers last autumn, and a still greater one to those who could store hem and put them on the market this spring. A price of \$1.50 a bag was freely paid in the field last fall, but this spring they sold for as high as \$3.25 a bag in car load lots. Some five years ago, when Mr. Collins, the District Representative of the Ontario Dept. of Agriculture, was located at Fort William, the cries of Port Ar-thur and Fort William were import-ing potatoes. Last year, besides supplying local needs, a good many car loads were shipped from these cities to points in old Ontario, and a number of car loads left this spring for the east for seed. This was one of the visions these wide awake representatives in the persons of Messrs. Collins and Davies were able to give the farmers of the Thunder Bay Dis-trict; and it was worth while.

Potatoes of Good Quality. A very nice, smooth potato is grown there on suitable soil, and is of good quality. This is also true of potato soils in the Rainy River, the Kenora, and the Temiskaming districts, where several carloads of potatoes were shipped out during the season. It will pay many Old Ontario farmers It will pay many Old Ontario farmers to look for their supply of seed pota-toes from these regions. It will mean increased yields and earlier matured stock. I believe that this idea is worth considering by the farmers'

clubs of Old Ontario. Generally speaking, the seeu suppresseemed to be adequate for the farmers' needs, except in seed oats, for a good demand. In which there was a good demand. In some localities the farmers were handicapped in that they lacked the ready cash to buy the high-priced seed this year. They were afraid to pledge future credits in payment for fear they might not be able to make good this autumn. The quality of the clover and grass seed generally used, as found in the hands of the dealers, was No. 1. In some places the very best stuff the seed merchants put up was held to be none too good and was

in demand. Are Exporting Clover Seed.
Several localities in this north
country are now producing their own seed in such quantity that carloads are being shipped from the Temiskaming and Kenora districts. This is Kenora districts. This is chiefly red clover and alsike and mix-tures of these seeds with more or less timothy. The growing of the mixed crop seems to be rather a mistake for dealers will not pay as good prices for dealers will not pay as good prices for it as when the seeds are offered separ-ately. Considerable red clover seed was produced in the Thunder Bay trict last summer, one or two men having a ton of seed for sale. This is having a ton of seed for sale. This is becoming another profitable source of revenue for the farmers of New On-tario. The purity of this seed ranks high but the general quality is more or less affected by the climate in that

OME five weeks have recently the samples of red, especially, con-been spent in seed inspection tain a considerable number of brown, work in what is sometimes called dead-looking seed.

The seeding season was correspond-It was ingly late, with conditions both east susiness and west. With the exception of the Temiskaming district, however, the crop was pretty well in by the end of the third week in May and in good condition, as the soil was generally dry, and worked up into a fine seed

A very heavy fall of snow about Easter time in the Temiskiming district, along with the cold, backward weather, kept the soil in rather a wet state, so that seeding is generally delayed from New Liskeard to Hearst, Ice and snow were leaving the north country rather reluctantly this season, and this in some measure accounts for the cold, backward condi-tion which prevails all over Canada. With the advent of warmer weather in the near future there should be for the crops, even good prospects

with this handleap.

It is quite evident that the preponderance of settlers taking up land along the T.N.O. and the National Transcontinental lines are French. My observation led me to believe that the boys and girls now going to school in these French-settled localities both understood and could talk less English than their parents. It would appear that there was something lacking in the opportunity for each French-Canadian boy and girl to secure a English education, which is their right and privilege.

I believe that unless weather conditions are very bad that Northern On-tario will give a good account of herself along agricultural lines this year.

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HE Modern Gas Tractor, its Construction, Utility, Operation and Repair," is a practical treatise on the gas tractor by Vic tor W. Page, who is now one of the foremost American writers on all sub-jects in connection with the gasoline engine. His latest work revised and enlarged, covers every branch of to-date gas tractor engineering, driv-ing and maintenance in an untechnical manner. The farmer tractor own er who is willing to study the pages of this work along with its hundreds of diagrams and illustrations, will be given a full understanding of the internal anatomy of the modern tractor and just how and what to do when accidents or stoppages occur. It conaccidents or stoppages occur. It con-siders fully all types of power plants, methods of drive and speed changing mechanisms, describes design and construction of all parts, their installation and adjustment, as well as the practical operation of tractors in the An interesting chapter deals with an attachment to the automobile, whereby the pleasure car may be changed into a farm tractor. "The Modern Gas Tractor" is a well bound book of over 500 pages. It may be had through Farm and Dairy for the regular price of \$2 postpaid

J. A. Maharg, President of the Sas-katchewan Grain Growers' Association and the Saskatchewan Co-operative Elevator Company, was last week nominated as the Grain Growers' candidate for the Federal constituency of Moose Jaw.

The impression prevails among many, that the presence of the male bird in the flock is essential to the production of a maximum number of eggs. This assumption has been proven, time and time again, to be absolutely without foundation.



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

The Ormstown Spring Show

HE ORMSTOWN Spring Show, reported in this issue of Farm and Dairy, is one of the most remarkable live stock fairs of Canada. It is remarkable because of the number of the exhibits and exhibitors, considered along with the limited district from which they are drawn. At the fair of last week there were three hundred and fifteen horses, one hundred and fifty Ayrshire cattle, one hundred and eighteen Holsteins, fiftyfive Jerseys, and a small exhibit of sheep, swine and poultry. A small percentage of this exhibit came from Ontario, a slightly larger percentage from other sections of Quebec, but a great part of the total came from the small district of Beauharnois and a good portion of these came from within a few miles of Ormstown. There are other sections of Canada of equal extent that might have produced as good a horse show or a better Holstein display; certainly many other sections of the Dominion could improve on the sheen and swine exhibit, and the Jerseys came from outside anyway; but we know of no other district that could reproduce a show so strong in all departments, and at no fair in Canada is competition keener in Ayrshires, for, be it known, this is the first home of the Ayrshire in America and still the great Ayrshire capital of the continent.

The Ormstown Show is the result of a system of agriculture that rests on the sure foundation of live stock farming. The fair and the district afford conclusive evidence of the profitableness of good live stock and lots of it. Prosperity is reflected in the well kept farms and, more conclusively still, the splendid homes and farm buildings. And the Beauharnois District, in common with many other of the best sections of rural Canada, owes much to the dairy cow

### The Second Silo

HE silo manufacturers of Canada are rushed with orders. The greater part of these orders come from men who are building their first silo. 'It is really astonishing, though," writes an extensive manufacturer, "what a large proportion of our correspondents tell us that one silo has proven so valuable that they have decided that two must be better, and they order a second for this season's delivery."

There are many arguments for a second silo. The value of silage for summer feeding is becoming more generally appreciated and corn is becoming a greater winter mainstay than it once was. The Central Experimental Farm at Ottawa have this winter come to-appreciate fully still another advantage of lots of sile capacity on the farm-it affords the best possible method of carrying the surplus crop of flush years over to the leaner years and thus maintaining a stable live stock population on the farm without great expenditures for feed. At Ottawa there was silo capacity to store the bumper corn crop of 1915. The surplus was carried over and has supplemented the short crop of 1916 to such good effect that the new crop silage was not touched until the early weeks of April, 1917. There will be no scarcity of corn ensilage at Ottawa this year. A second silo may seem expensive, but if cost is figured against storage capacity it will be found that this is the most economical method of carrying surplus roughage for future use. If the corn acreage and prospects justify it, by all means erect a second silo. Many who have two are now erecting three.

# Why We Urge Production

THE following extract from a letter received by Farm and Dairy a few days ago explains

"I notice that Farm and Dairy is howling at the farmers to produce more crops and isn't offering us any more assistance than are the city fellows who are strong on the same cry. Now let me tell you, the farmers are getting mighty sick of this hot air and they don't like it from you and the other farm papers. I advise you to cut it

Farm and Dairy can quite understand the attitude of the farmer toward the rivers of advice that he has been receiving gratis for many months past, much of it coming from parties who know nothing of the difficulties with which the farmer has to cope. We appreciate the great efforts that the farmer is making to maintain the nation's food supply; no class in the community are working longer hours or to greater purpose. But it is necessary that we have before us a clear conception of the great need for food, that we may leave no stone unturned to keep production at a maximum. Many countries in the world are already on the verge of starvation and the world's food supplies are exceedingly short. The call to produce is based, therefore, on both patriotic and humanitarian grounds. The farmer will respond to both appeals and Farm and Dairy has no apology to offer for the part it has taken in the production campaign. The quotation from the letter of our trate subscriber, however, should serve as a warning to many meddlesome organiations to keep their hands, and likewise their tongues, off the farmers' business, unless they first make themselves more fully acquainted with the real needs of the hour.

W HILE it is true that many city organisations in the production campaign this does not apply to all, and farmers should investigate very closely the motives of our city friends before we condemn their work. The War Production Club of Toronto has, so far this year, placed almost four bundred men for the whole season on the farms of the adjoining counties. They have a list of over one thousand men who are willing to assist with having and harvest at military pay of "a dollar ten" a day. In addition one large factory is willing to free five hundred of its employees on full pay for three weeks for the same purpose. Work such as this is most creditable and very valuable with the labor situation as it is. In a smaller way, other organizations have done similar good work.

A great difficulty in applying this city labor to the extraordinary demands of the farm is that, through many years of labor scarcity, the farmer has learned to so regulate his system of farming that there is a uniform demand for labor through the entire season. This system cannot be changed at quick notice, and it has been a source of surprise to city organizers that the supply of short time labor seems to be greater than the demand. It may be that much of this surplus labor will be absorbed when harvest is actually on, but to properly organize the supply, city production clubs require in advance a definite idea of how many men will be needed and where. If this advance information is given, our city friends are confident of their ability to meet the demand.

The Hydro-Electric Purchase

PUBLIC ownership in Cotario has achieved a notable advance in the purchase by the Hydro-Electric Commission of extensive water rights at Niagara Falls. Heretofore the Commission has acted only as a middleman, distributing Niagara power to municipalities and corporations. It will now develop and distribute its own power. The purchase of the Ontario Power Company's water rights will be a permanent advantage to the people of Ontario.

But there is "a fly in the ointment." Of the millions of dollars paid over by the people of Ontario for their new property, at least seventy-five per cent of the murchase price is for the water rights and not twenty-five per cent, for improvements. In other words, Ontario has been forced to pay millions of dollars to buy back one of its natural resources that, under a wise and farsighted policy, would never have been surrendered to a private corporation. It is now to late to lament over the loss of these millions, but the transaction should carry with it a lesson for the future. There are many undeveloped power possibilities in Canada that have not yet been exploited. These should be retained in the possession of the Crown for the benefit of the Canadian people. If private corporations are allowed the privilege of developing these powers it should be on a rental basis only, and even then ninety-mine year leases are too long to be tolerated. Let us recognize that the water powers of the country should be an inalienable right of the public.

Cheese prices have been fixed for the season, While not as high as farmers were anticipating, they are such as to guarantee a reasonable price for our product. The element of speculation, too, has been removed. The farmer may lay his plans for the season and his plans need not be altered to meet the vicisaltudes of the cheese market, For the dealers it means close figuring and competition may become so keen that country buyers will be done away with altogether and cheese be shipped direct to Montreal.

The

June 14

The Sear Bei

THE G of the son f publication Cheese Co ed to gover satisfactory for some tip of cheese in on the new Hon. Martin This was forment of the the purchase drafted by ti which Wore boards of ditional Night details on so their buyers. commission ! cheese board factory men. some points will seek for situation now The British with the appr wond which c in Great Brita

set at 28 cts. cts. a Pb. ret Government se Commission, v deal with the tablished the p ada at 21% ct Montreal, for a as finest as nest. As treal, together such as packing the British Ro ments and all Montreal after cheese, and put steamer, must fit, the price in enough lower to price ruled at fr 20 15-16 cts. a 4b

ing been paid at Grading ' One effect of

promises to be graded more str ever before. case, it should h stimulating impr ity of our cheese has decided that be as follows: steamer, M 2, 21% cts. a &b., a cts. a Mb. Culls the Commission, will be on the m Graders have bee Commission, who grade according t

of cheese purchas In the past buye habit, on a rising a habit, on a rising a many choose that copt under other c price has mow been it means that this practically elimina cheese will be grad the buyers. Make in the habit of taki or to win matrons der to win patrons factories, and who have had to turn cheese, which they

IDEAL GREEK

FFFD SILOS

# The Government Announces the Price Set for Cheese

The Season's Price Set at 21½ cents a Pound at Montreal—Purchases Now Being Made on That Basis—Crading Will be More Strict—The Rules Announced by the Commision

Rules Announced by the Commission

The price to be paid this seas count of market conditions, will rule
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of cheese in Canada. The first light sample more sharply. for some time in regard to the buying of cheese in Canada. The first light on the new conditions was given by thou alter the property of the House of Commons last week. This was followed by the announcement of the rules which will govern the purchase of cheese that have been the purchase of cheese that have been drafted by the cheese commission and which were read on various cheese boards of the country. Following this the Montreal exporters gave additional Mght concerning certain other details on some cheese boards through their buyers. Since then the cheese commission has visited the Brockville commission has visited the Brockville cheese board and thus met with the factory men. While there are still some points on which our dairymen will seek for further light, the general

will seek for further light, the general situation now is about as follows: The British Board of Trade, acting with the approval of the British Gov-ernment, has established a price be-ernment, has established a price beerament, has established a price beyound which, and the solid in Great British are more to be solid in Great British as the wholesafe and 32 cits, as Th. retail, for wholesafe and 32 cits, as Th. retail, foreGovernment set this few the British Government set this few the British Government set this few appointed to deal with the situation in Canada and Canada at 21% cits, a 8b. Cob. steamer, and as 21% cits, a 8b. Cob. steamer, Montreal, for all cheese that will grade
Montreal, and the freight and cart Montreal, for all cheese that will grade as finest. As the freight and cart age from country from the country from the country from country from the country fr At the cheese boards last price ruled at from about 2014 cts. to week the 20 15-16 cts. a lb., this latter price having been paid at Madice

### Grading Will Be Strict.

One effect of the new conditions One effect of the new conditions promises to be that cheese will be graded more strictly this year than ever before. If this proves to be the case, it should have proves to be the stringfating improvement in the quality of our cheese. The Commission stimulating improvement in the quality of our cheese. The Commission that of our cheese. The Commission has decided that the prices pade will be accepted by Grade No. 1.21% cts., fo.b., foemer, Montreal; Grade No. 3.25% cts. as a change of the commission, but the price paid will be on the merits of the cheese, for the commission, but the price paid will be on the merits of the cheese, Graders have merits of the cheese, Graders have been appointed by the Commission, who will inspect and grade according to quality, very jot of cheese purchased for the Commission that goes to Montreal.

In the past buyers have been in the

in the past buyers have been in the habit, on a rising market, of accepting this issue. many cheese that they would not ac-cept under other conditions. As the recyt under other conditions. As the price has sow been eet for the esason, at means that this practice will be accepted under the conditions of the price of the conditions are some of the rules at the process of the conditions of the conditions

supply more sharply.

Effect on Home Trade. The effect of the new conditions on the home trade cannot yet be deter-There is a considerable difference in the quality of cheese bought for British consumption and that which frequently finds favor on the which frequently finds favor on the Canadian market. Canadian buyers are not as discerning in the matter of quality as are many British consu quality as are many British consum-ers. The result is likely to be that quite a little of the second grade chiese will be bought for Caractian consumption. Canadian consumers will not pay more than the British will not pay more than the British price unless something unforseen happens, but may purchase considerable second grade cheese at provailing

Figures of Expense.

Farm and Dairy has not been able to secure, as yet, the exact details of how secure, as yet, the exact details of how the difference in price between the 28 cts. a 26 which the price and the 28 cts. a 36 which the price and the 21% cts. that will be price and the 21% cts. that will be price and the cheese on board ship at the commis-these on board ship at the commis-tion, however, and we hope to be able to make them public short!. Dairy to make them public short!. sion, however, and we nope to be able to make them public shortly. Dairy Commissioner J. A. Ruddick advises us that those who are familiar with this phase of the business, state that there is very little margin left for those who handle the cheese on the other side. This may readily be as sumed to be the case in view of the fact that ordinary freight is about thee cents a pound, war risk is about three cents a pound, war risk is about 5 per cent, in addition to which there are charges for marine insurance, wharfage, switching and other similar work, to say nothing of a margin of profit to the man who handles the cheese. From the prices that have been set in Great Britain, it is evident that British retailers are allowed four cents to cover their cost for handling and profits

Canada the difference between the price that will be paid on obeese boards and the price paid for cheese boards and the price paid for these cheese-by the Commission at Montreal, will be regulated by the com-petition between Canadian buyers for the cheese. It is altogether likely that this competition will ensure a full price being paid to the producer. In next week's issue of Farm and bairy we hope to be able to give further information on the situation. Incidentally it might be noted that according to Hon. Martin Burrell, the price that has been set for this season will average about two cents a more than the average price paid fac-tory men last year. A portion of Hon. Mr. Burrell's address on the cheese situation appears elsewhere in

# Don't put off this silo question any longer

It's too important.

Letting things go until the last minute is a habit many of us have, and it's a mighty bad habit, be-cause things that are put off either never get done at all or if done cost more in trouble and expense.

MADE IN CANADA The wise man makes his plans ahead of time. He always has The wise man makes his plans ahead of time. He always has his buildings and other equipment ready before he actually needs them, and he never has to worry himself sick and hire extra help

There can be no question as to which of these ways is the better.

# Lay your plans now for an IDEAL GREEN FEED SILO

Order it and put it up now, while you have plenty of time to get it ready. It will be the best investment you ever made.

It will mean 25% more milk in winter at 15 or 20% less expense. It will mean 20% more milk in winter at 10 or 20% less expense. It will enable you to keep more cows on the same acreage and so maintain the fertility of your farm. It will solve the problem of green feed for your cows when pastures fall in summer.

Whether you have many cows or few, good silage means more profit, and the best silage is produced in an Ideal Green Feed Silo.

Write to-day for our large illustrated silo catalogue, which shows you every detail of the ideal and explains just why you get more for your money in it than in any other silo.

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Entrance No. 2 Frances St.



SYMPATHY is the safeguard of the human soul against selfishness. Thomas Ca: lule

### Winning the Wilderness (Continued from last week.)

rocking chair. Let me take you home with me for a few days while you are wearing patches on your head," Hor-

ace Carey suggested.
Darley Champers stared at his helper in surprise. Then he said slowly:
"Say, Doc, I've hated you a good
many years for doin' just such tricks
for folks. It was my cussedness
made me do it, I reckon. I'd like to
get out of town a little while. That
joint of Wyker's has seen more'n one
clove laid out and some of 'em went

fellow laid out, and some of 'em went

ace Carey suggested

that sounds surprising, but life and left me, threatening to come back is full of surprises," the doctor thought as he took up his medicine case and followed Rosie's "Champers, my old buggy is like a

The way took them to the alley be-hind the Wyker House, through a rear gate to the back door of the kit-chen, from which it was a short step to the little "blind tiger" beyond the dining room. Sounds of boisterous to the little "blind tiger" beyond the dining room. Sounds of boisterous talking and laughter and a general shuffling of dishes told that the evening meal was beginning. For her size and clumsiness, Rosie whisked the doctor deftly out of sight and joined the ranks of the waiters in the dining

The only light inside the little room came from the upper half of the one window looking toward the alley. As it was already twilight the doctor did not get his bearings until a huge form on the floor near the table made an effort to rise.

What's the trouble here?" Carey asked in the sympathetic professional voice by which he controlled sick

"Lord, Doc, is that you?" Darley Champers followed the words with a

groan You are in a fix," Carey replied as he lifted Champers to his feet.

Blood was on his face and clothes

and the floor, and Champers himself was almost too weak to stand.

"Get me out of here as quick as you can, Doc," he said in a thick voice. At the same moment Rosie Gimpke appeared from the kitchen.

"Slip him out queek now. I hold the dining room door tight," she urg-ed, rushing back to the kitchen.

Carey moved quickly and had Dar-ley Champers safely out and into his own office before Rosie had need to her grip on the dining room door-knob

you've saved me," Cham-"I guess said faintly as the doctor examined his wounds

"Not as bad as that," Dr. Carey re-plied cheerfully. "An ugly scalp wound and loss of blood, but you'll come back all right."

come back all right."

"And a kick in the abdomen," Champers groaned. "But it was from what was comin' you saved me. I've never been sick a day in my life and I've had little sympathy for you and your line, and then to be knocked down so quick by a little whiffet like Smith and roll over like a log at the first

"You're in luck. Most men in your line ought to have been knocked down a good many times before now," the doctor declared. "How did this hap-

"I settled with Smith and made him "I settled with Smith and made him sign everything up to a hog-tight contract. Then he started in to abuse me till I got tired and told him "d just got back from Ohio and a thing or two I saw there. Then he suddenly betted me and, against all rules of the game, kicked me when I was down

Champers did not start nor seem Champers did not start nor seem surprised as he replied:

"Yes, I seen you, but I didn't want to speak to nobody right then."
"No?" Dr. Carey questioned.
"No. I've got hold enough of Smith

now to make him afraid of me if I'd now to make him afraid of me if I'd turn loose. I'd a made money by doin' it, too. Good clean money. That's why he's gettin' good and drunk to beat me up again to-night,

"Well, why don't you tighten up on him? Why let a scoundrel like that run free?" Carey inquired.

"Because it might drag Leigh Shirley's name into the muss. And I'm no devourer of widders and orphans; I'm a humane man, and I'll let Smith run till his tether snaps and he falls over the precipice and breaks his neck for hisself. Besides I'm not sure now for hisself. Besides I'm not sure now whether he's a agent representin' some principal, or the principal repre-sentin' hisself. And in that case I'd have to deal the cards different for him, and them he'd do harm to."

"You are a humane man, Champers," arey declared. "I think I've hated Carey declared. you, too, a good many years. These gray hairs of ours ought to make us gray hairs of ours ought to make us better behaved now. But, even if you do let Smith run, that 'blind tiger' of Wyker's must go out of business. I'll start John Jacobs after that hole one of these days. He holds the balance power on public sentiment out here He'll clear it out. His hatred of saloons is like Smith's hatred of Shironly it's a righteous indignation. I've heard John's father was a drunkard and his mother followed her husband into a saloon in Cincinnati to persuade him out and was killed by a drunken tough. Anyhow, John will break up the game of Wyker's one of these times. See if he doesn't." Darley Champers slowly shifted his

fellow laid out, and some of this work down Big Wolf later, and some of 'em fell into Little Wolf and never came out. It's a hole, I tell you. And Smith is a devil to-night."

On the homeward way Dr. Carey huge frame into an easier posture as "By the way, Champers, I saw you at Cloverdale, Ohio, last week." he replied:

"Yes, he can do it all right. But



Leigh Turned to see Thaine Aydelot Looking Down at her as he Leaned Over the High Back of the Rustic Seat.

mark me, now, the day he runs Hans Wyker out of that doggery business it will be goodby to John Jacobs. You see if it isn't. I wouldn't start him af-ter it too quick."

Darley Champers spent two weeks with his physician, and the many friends of Dr. Carey smiled and agreed with Todd Stewart, who declared:

"Carey would win Satan to be his fast friend if the Old Scratch would only let Carey doctor him once."

only let Carey doctor him once."

But nobody understood how the awakening of the latent manhood in Darley Champers and his determination to protect an orphan girl were winning the doctor to him as well.

#### CHAPTER XVII.

### The Purple Notches.

Two things greater than all things are, One is Love, and the other War. And since we know not how War may

Heart of my heart, let us talk of Love. -The Ballad of the King's Jest

HE summer ran its hot length of days, but it was a gay season for the second generation in the River Valley. Nor drouth nor heat can much annoy when the heart beats young. September would see the first scattering of the happy company for the winter. The last grand rally for the crowd came late in August. Two havrack loads of young folks, with nayrack loads of young tolks, with some few in carriages, were to spend the day at "The Cottonwoods," a far-away picnic ground toward the three leadlands of the southwest. Few of the company had ever visited the place. Distances are deceiving on the prairies and better picnic grounds lay nearer to Grass River.

On the afternoon before the picnic Leigh Shirley took her work to the lawn behind the house.

What most ranches gave over to weed patches, or hog lots, or dumping grounds along the stream, at Cloverdale had become a shady, clover-sodded lawn sloping down to the river's edge. The biggest cotton-woods and elms in the whole valley grew on this lawn. A heige of lilac and other shrubbery bordered by sunflowers and hollyhocks bounded it from the fields and trellines of white honey suckle screened it from he road.

In a rustic seat over tooking the Leigh river and the prairies beyond, river and the prairies beyond, Leigh Shirley bent lovingly above a square of heavy white paper on which she was sketching a group of sunflowers glowing in the afternoon sunlight. Leigh's talent was only an undevel-oped inheritance, but if t lacked training ti's fresh originality was un-

The top of the afternoon to you Leigh turned to see Thaine Aydelot looking down at her as he leaned over the high back of the rus c seat. He was in his working clothes with his straw hat set back, showing his brown face. His luminous dark eyes were shining and a helf-teasing, halfwere snining and a mirrorante, sympathetic smile was on his lips. But whatever the clothes, there was always something of the Southern gentleman about every man of the Thaine blood. Something of the soldierly bearing of his father had been his heritage

"May I see your stuff, or is it not for the profane eyes of a thresher of alfalfa to look upon?"

Leigh drew back and held up her drawing-board.

"It's just like you, Leigh. You always were an artist, but when did you learn all the technique? 's that what you call it? How do you do it?"

"I don't know," Leigh answered ankly. "It seems to do itself."
"And why do you do it? Or why (Continued on page 16.)

June

stay the longer; t sent to a ed to ge We were would be the journ night w ing and dinner in Goforth B Lord silen wants us scarcely in Christian Lord! a w a fine empt fixed over as long Here was a ceeding ab we preache dreds of me was begun since.

"On one man came foot was ter was bac tion The chi ed in a serior bring the a told the wom the child. It piteously that custon and lifting u was anything prayed the came seemed an al never heard e used before up but I resolved the foot was poultice and how that foot 10 days and w almost comple father, child I whole family,

"I give the show how imp when one woulding to a certa preaching I toe then three yes waited on by a was most kind water and food Being preaching to th occur to me to she kept her ba the child was a Just as we were She uncovered t my horror I saw with smallpox! Mary's temperat veloped. It was stances of this see that Mr. Gof he said, "The sa self and the child duty." "As we began t

for our return to one serious diffic eldest son could world alone, but of 16. It was ne able guardian shor I called upon the to realize some re

# THE UPWARD LOOK

# The Power of Prayer

N one occasion we arrived at the town of Ho Ts'un late in the afternoon, expecting to stay there over night and probably longer; but when we arrived we found the Christian whom we had sent of a range for our visit, had fail to arrange for our visit, had fail to are a place for us to stay in would be almost impossible to make the journey to the next had such that the journey that the journ longer; but when the journey to the next place that night. While the animals were feednight. While the animals were feeding and we were trying to eat our
dinner in the midet of the covered, Mr.
doroth said. 'Let us just ask the
Lord silently to give us a place if He
warts us to stay here,' We had
carredy finished eating. 'We had
carredy finished eating.' Praise the
Christian came up, saying, 'Praise the
Lord' a wealthy man has offered you
a fine empty place which had just been a fine empty place which has just been a fine empty piace which has just been fixed over and he says you can have it as long as you like, free of rent.' Here was surely one of the Lord's ex-ceeding abundants. For three days preached the Gospel to many hundreds of men and women and a work was begun which has continued ever

since,
"On one of the early visits a woman came with a little child whose
foot was terribly burned. The whole
foot was badly awollen, the inflammation reaching some distance up the
leg. The child was feverish and seemed in a savious condition. It homospade leg. The cultu was reversan and seem-ed in a serious condition. It happened that on that trip I had forgotten to bring the simple remedles which I was accustomed to take with me, so I was accusationed to lane with me, so I told the woman I could be begged so the child. But again she begged so plieonsly that I could not may be a summary and lifting up my head fin prayer, I and lifting up my head fin prayer, I asked the Lord to suite me if there was anything I could do. Even while I prayed the thought of a bread poultie came to mind This remedy almost almost should one; I had never heard of such a limit being being a limit of the country of the coun told the woman I could do nothing for how that foot healed. We were there 10 days and when we left the foot was almost completely well. The mother, father, child herself and indeed, the whole family, became Christians.

whole family, became Christians.

If sive the following instance to show how impossible it was to know when one would run into danger. Go, and the certain village was day's preaching I took litle Mary with me, then three years of age, we were waited on by a Christian woman who was most kind and attentian woman water and food for both Mary and myself. Being much take with preaching to the woman, it dit not preaching to the woman, it did not preaching to the woman, it did not preaching to the woman it did not preaching to the woman it did not preach the woman which was always in the woman which was always in the child was always in the arms. Just as we were leaving I asked her. Just as we were leaving I asked her. the child was always in her arms. In the work were leaving it asked her. She uncovered the child, face and to my horror I saw the child was covered with smallpox! For weeks i watched Marry's temperature, he most eather than the same of the sind that the same of the sind that is see that Mr. (foforth was right week he said, 'The saffest place for round saif and the children is in the path of duty.'

duly."

"As we began to prepare once more for our return to China after furlough, one serious difficulty faced to a. Our eldest son could be world alone, but not say that our could be the country of 16. It was necessary that substitute of 16. It was necessary that when the most likely alone is necessary that the substitute of 16. It was necessary that we have a substitute of 16. It was necessary that the substitute of 16. It was neces

the missionary's daughter, but all three declined to accept the responsi-bility. I then saw that it was not for me to try to open my own doors, but that I must look to the Lord for this also. I prayed that if He wished me also. I prayed that if He wiened me to return to China and to leave my dear child, to send me one to whom I could trust her. But a short time passed when one day I received a visit from a lady whose life had been devoted to the training of young wo devoted to the training of young wo-men. She was one whose beautiful Christian character and ideal woman-hood, made her the one above all others in whose care I could gladly leave my daughter. This lady told me how in her early years she had hoped to give her life to China, but the way to give her life to China, but the way had been closed. She now felt the Lord had laid it upon her heart to Lord had laid it upon her heart to offer to take charge of my child. Years have passed since then and she has fulfilled my highest expectations of Rarely has an answer come more definitely from a loving Father than did the offer of this friend, nor indeed that brought greater relief and help; her offer was an unmistakable proof that the Lord would keep my child as I gave her up."

Note.—The above incidents are a Note.—The above incidents are a continuation from last week of the ex-periences of Mrs. Goforth and the power of prayer as published in re-cent issues of The Sunday School

### "Knee Deep in June."

E are now well into June, the first month of summer, and it is certainly one of the grandest months of the year. The other day we picked up James Whitcomb Riley's noem "Knea Pages" in June 1981 we prosed up James Waitcomb idney s poem, "Knee Deep in June," and while the majority of us are too husy along about June to "jes" git out and rest and not work at nothin else," there is something restful in the senti ment of this poem. Our space is limited so we cannot publish the poem in full, but here it is in part:

Tell you what I like the bast— Long about knee-deep in June, Bout the time strawberries melts On the vine-some afternoon. Like to jes' git out and rest, And not work at nothin' else!

Orchard's where I'd ruther ha-Needn't fence it In fer me Jee' the whole sky overhead, Jee' the whole aird underneath-sort its whole aird underneath-sort its whole aird underneath-like he or a man kin breathe— Like he or a man kin breathe— Like he or a man kin breathe— Elbow room to keerlessly Bjrawi out Indhways on the grass Bjrawi out Indhways on the grass plyrawi out Indhways on the grass of the breather whole whole whole is the low As the king in the low of the state of the low of the state of the Mother fixes in the low of the state of the state of the low of the l

Plague! If they ain't somepha' in thork at kind o' goes ag'in' they are a great and a grea

Lay out there and try to see Jee how lazy you kin by! Tumble round and sous yer head In the clover-bloom, er. pull and the clover-bloom, er. pull and peet the clover-bloom, er. see Jeed And peet the clover-bloom, er. see Jeed And peet the clover bloom, er. see Jeed And peet the clover bloom and peet the clover bloom and peet the clover bloom and the clover bloom and white and bluet Clouds with the clover bloom and white and bluet Month a man and white and bluet Month a man clover bloom and the clover bloom a



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When You Write---Mention Farm and Dairy

# Winning the Wilderness

"Just between us two, I hope to do you specially—to be your very particupiece good enough to sell and help lar escort."

by the price of alfalfa agod a bit." "Oh, yes. The year nicest of the The girl answered, smiling:

to lift the price of alfalfa seed a bit. "By the way, I brought the first load Where's Uncle of seed over just now. Jim?" Thaine asked, trying not to let the pity in his heart show itself in his

for you

Thaine threw himself down in the shade beside Leigh's seat while she

went into the house.
"I wish I didn't have to take that money, but I know better than to say a word," he said to himself. "Thank the Lord, the worried look is beginning to leave Uncle Jim's face, though. How could any of us get

though. How could any be us gained along without Uncle Jim?"
"What little seed to be worth so much, but it's the beginning of conquest," Leigh said as Thaine took the bills from her hand. "And it's a much more hopeful business to reclaim from booms and weeds than from this lonely old prairie as it was when Uncle Jim and your father first came here."

"It is just the same old pioneer spirit, though, and you are fighting a mortgage just like they fought loneli-ness, and besides, Asher Aydelot had Virginia Thaine to help him to keep his courage up."

A sudden flush deepened on his rud-

heeks and he continued:

"Of course you are going to the enic? You'll have to start early s a goodish way to "The Cotton picnic? early. The Sunflower Ranch needs woods my talents, so I can't go with the crowd, but I may draggle in about high noon. I'll drive over in the high noon. I'll drive over in the buggy, and I'll try to snake some pretty girl off the wagons to ride home with me when it's all over."

"Maybe the pretty girls will all be eempted before you get there,"

Leigh replied 'I know one that I hope won't be," Thaine said.

Leigh was bending over her drawing board and did not look up for a long minute. It was her gift to make comfort about her while sh. followed unflinchingly. The own will breeze had blown the golden edges of her hair into fluffy ripples about her forehead and the deep blue of August skies was reflected in her eyes, shaded by their long brown lashes. Thaine sat watching her every mo-tion, as he always did when he was with her. "Well?" Leigh looked up with the

"Well?" Leign looked up wint the have been quite so pressing without "Of course it does. What's to hinder your getting the pretty girl you want if she understands and you are swift brown hand resting against her white if you must defend yourself." She looked down at Thaine's hig who despends on it? Jo, I'll is she understands and you are swift brown hand resting against her white if you must defend yourself." Thaine Aydelot bounced it arm, and then up to his handsome Thaine Aydelot bounced it.

flank movement?"

"The girl herself," Thaine replied. "Serious! Tragical! Won't you give me that chrome-yellow tube by your elbow there?" Leigh reached for

the paint and their hands met. Say, little Sketcher of Things, will you be missing me when I go to school Or will your art and next month? your ranch take all your thoughts?"
"I wish they would, but they won't,"

Leigh said. They will help to fill up the time, though."

"Leigh, may I bring you home to caree morrow night? I'm going away the "Y next day, and I won't see you any that more for a long time."

(Continued from page 14.) Thaine was standing beside her don't you do more of it?" Thaine ask-

now "I mean it.

lar escort?"
"Oh, yes. The very nicest of the crowd." Leigh's eyes were shining fineed!," Thaine declared. "A pretty now. "But I've retreach lim," she good sort, of course, else I'd never added.

'Who was it?"

"Thaine Aydelot, and I refused him "Uncle Jim is breaking sod—weeds, because it was good taste for me to mean—for fall sowing. Wait a min- do so. If it's his last day at home— I mean—for fall sowing. Wait a min—do so. If it's his last day at home— "The Cottonwoods" was a picturesque ute and I'll get you the money he left and—oh, I forgot what I was going little grove grown in the last decade to say."

'I wish you wouldn't make a joke of it, anyhow. Tell me why you are so unkind to an old neighbor and life-long pal," Thaine insisted.

But Leigh made no reply

"Leigh!" "Tell me why you insist when by all the rules you are due to snake the prettiest girl in the crowa off the wagon and into your buggy. Why aren't you satisfied to make all the aren't you satisfied to make all the other boys envy you?" Leigh had risen and stood beside the rustic seat, her arm across its high back.

"Because it is the last t'me. Beca we've known each other since childhood and have been playmates, chums, companions; because I am going one way and you anoth 11 and our paths may widen more and more, and because — oh, Leigh, because I want

He leaned against the back of the seat and gently put one hand on her

The years August somemon as on this occasion," somemon asse suggestthe level prairies beyond the river, ed.
"I tried to do it and falled," Todd
"I tried to do it and falled," Todd The yellow August sunshine lay on

Has anybody asked him." Thaine added.

"Like it got your father," Leigh

have recommended him to be my fath-er. Good-by. I'll see you across the crowd to-morrow."

He turned at once and left her.

about a rocky run down which in the springtime a full stream swept. There was only a little ripple over a stony bed now, with shallow pools lost in the deeper basins here and there. The grasses lay flat and brown on the level prairie about it. Down the shaded valley a light, cool breeze poured steadily. Beyond the stream a gentle slope reached far away to the foot of the three headlands—the purple notches of Thaine Aydelot's childhood fancies

The day was ideal. Such days come sometimes in a Kansas August. The young people of the Grass River neighborhood had made merry half of the morning in the grove, and as they gathered for the picnic lunch someone called out:

where's Bennington, Avdelot? Great note for him to dis-

Aydelot? Great note for him to disappear when this Charity Ball was executed mainly for him."
"Better ask Todd Stewart. He's probably had Thaine kidnapped for this occasion," somebody else suggest-

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away across the landscape under a Stewart assumed, play of light and shadow. The clover in my business, sod at their feet was soft and green, school to-day if the The big golden sunflowers hung on their stalks along the border of the lawn, and overhead the ripple of the summer breezes in the cottonwoods made a music like pattering rain-drops. Under their swaying boughs Leigh Shirley stood, a fair, sweet girl. And nothing in the languorous beauty of the midsummer afternoon could ed have been quite so pleasing without

"It would only make trouble for, for everybody. No, I'm coming home with the crowd on the hayrack." She for everybody. lifted her arm and began to pull the here. on the seat beside her.

in Thaine's tone.

straight from China to me, if he really py today.

cared for me?" Leigh asked.

In the late afternoon the crowd

"I don't need him my besiness. He can start to "Well, you don't want him to go, do you, Jo?"

you, Jo?"
"Oh. I don't care especially. I'm going away myself, but not to the University, but I'm no tgoing till papa's elected." Jo replied.
"And if papa's defeated we stay bune all winter, eh?" Todd question-

"That all depends," Jo replied. "Of course it does. What is it, and who depends on it? Jo, I'll help you

Thaine Aydelot bounced down from the rocky bank above into the midst of the company and became at once

n's escort by common consent.
"Now, life's worth living, Thaine's
pre. Let's have dinner," the boys

urged.
It was not Leigh Shirley's fault that Thaine should be placed between her Wery well." There was no anger Thaine should be placed between her Thaine's tone. "Do you remember and Jo at the spread of good things that she the big sunflower we found to send to to eat; nor Jo's planning that she prince Quippi, once?"

to eat; nor Jo's planning that she should be between Thaine and Todd Prince Quippi, once?"

should be between Thaine and Total

"The one that should bring him Stewart. But nobody could be unhap-

cared for me? Leign asked.

"You said that one was to tell him strolled in couples and quartettes and that you loved him and you knew it groups up and down the picturesque woods bring him to you. But he place.

woold bring him to you. But it place.

"No, you may not," Leigh replied, never came."

"It's a way my princes have of moment of his coming and Leigh was by her golden brown hak was win. doing," Leigh said with a little laugh, gid totat she had not yieled to his by her golden brown hak was win.

"Way not, Leigh? Am I too late?"

"Way not, Leigh? Am I too late?"

"Oo dearly You haven't saked Jo wanted me to come back."

"Oo bearly too haven't saked Jo wanted me to come back."

"It' I ever send you one you will golden audiovers down the edge of akind to put me on the 'waiting list." know that I do," Leigh said. "Mean-the wide space between the stream Thaine had been with Jo from the

time, my prince will wear a sprig of and the foot of the headlands toweralfalfa on his coat."

"And a cockle burr in his whiskers, peared suddenly and the gleam of the and cerulean blue overalle like mine, blossoms dulled a trifle. Leigh sat and he'll drudge along in a slow down on a slab of shale to study the scrap with the soil till the soil gets effect of the shadow him," Taline added. "Are you still looking for a letter of the state of the state of the shadow him," Taline added. "Are you still looking for a letter of the state of the s ing far beyond it. The oun had disap-

"Are you still looking for a letter that will bring Prince Quippi back?" Thaine Aydelot asked as he climbed up from the rough stream bed to healde her

I'm watching the effect of sunshine and shadow on the sunflowers," Leigh replied

"It will be shadow if you wait much longer. The clouds are gathering now and we must start home."

"Then I must be going too. It's a lovely, lazy place here, though. Some time I'm going to the top of those bluffs, away off there."
"Let's go up now," Thaine sugnerated.

gested "But it's too late. I mustn't keep the crowd waiting," Leigh insisted. "It's a stiff climb, too."

"I can drive up. I know a trail through the brush. Let me drive you up, Leigh. It won't take long. There something worth seeing up there, Thaine insisted.

"Well, be quick, Thaine. We'll get into trouble if we are late," Leigh declared.

The trail up the steep slope twisted its way back and forth through the low timber that covered the sides of the bluffs, and the two in the buggy found themselves shut away in its solitary windings.

'What a shadowy road," Leigh said. And see that cliff dropping down beyond that turn. How could there be such a romantic place out on these level plains?"

"It was my fairy land when I was a little tot," Thaine replied. "I came here long ago and explored it myself."

here long ago and explored it myseli. "I'd like to come here sketching sometime. See how the branches meet overhead. The odors of the bluffeide are like the odors of the woodland back in the Clover valley in Ohio. I remember them yes, although I was so little when I left there," Leigh said, turning to Thaine.

He shifted the reins, and throwing his hat in the buggy before him, he pushed back the hair from his forehead

"Leigh, will you let me take you ome? I didn't ask Jo after all. Tood home? wouldn't wait long enough for me to do that, as I knew well enough he wouldn't. Don't be mad at me. Please don't," he pleaded.
"Why, I'm glad if you really want

me to go with you, but you shouldn't ave stayed away this morning."
"I did it on purpose. I knew Todd

wouldn't let the chance slip-nor Jo neither if I let him have it.

"You let him have it merely because you didn't want the chance to-day. Your kindness will be your undoing some day," Leigh said, with a smile that took off the edge of sarcasm. Thaine said nothing in response, and

they climbed slowly to the top of the bluff, and stood at last on the crest of the middle headland.

Below them lay "The Cottonwoods" and the winding stream whose course, marked by the dark green line of shrubbery, stretched toward Grass River, far to the southeast. To the westward a wonderful vista of level prairie spread endlessly, wherein no line of shrubbery marked a watercourse nor tree rose up to break the coircle of the horizon. Over all this vast plain the three headlands stood as sentinels. In the west the sunas sentines. In the west the sun-light had pierced a heavy cloudbank and was pouring through the rift in one broad sheet of gold mist from sky to earth. Purple and silver and burnt umber, with green and grey and richest orange, blended all in the

(Continued on page 18.)

Show S HOW late

June :

A

ing socia and her vel plan news. T ly the ma The sp hostess v engageme rived, the strings n

from the

and follow

rooms, F

bons

we found ar cles 811 gesting weddin One gue upo packag of rice, an othe, a old shoe, third a li ple bouque of artificia orange blos soms, and a great dea excite ment each made ery. And then the bride - to-be, had purposely elayed her search, at the end o box was a d slipped on he tulations of guests were

Letti Another su ting the cat usual way. is painted in secretive puss ty bag made further filled Ribbons for from it, and th in the arch of supper table.

the ribbons shower of rice teresting news. AL A novel show as follows: friends to meet at two o'clock.

asked to come the hostess ex which was as i terial for each ticles as a dust a broom bag, in bag, kitchen a roller towel, and doilies on. doilies on. The article was wrattied with ribbon out the rooms. guest arrived th that a fairy god to her that ther value concealed discovered o

S HOWERS and announcement parlate that one of the most interest-ing social questions to June bride and her intimate friends, is some no-wel plan for publishing the happy news. There are so may news. There are so may news. There are so may new such delightful affairs that it is mere-ly the matter of making a choice.

An Announcement.

The spider-web idea was used by a The spider-web idea was used by a nome in a ripple of haugeners. In the spider web was the spider with the spi

dound articles Singgesting wedding One guest package of rice, anof another of the shoe, a third a lit ple bouquet of artificial orange blos soms, and O O n a great deal excite ment each made made ery. And then the fbride - to-be had purposely

cardboard and on it the glad tidings (10) The branching of a river? (Fork), is painted in contrasting color. This (10) The presiding genius of the kit-secretive pussy is enclosed in a pret—(11) The presiding genius of the kit-secretive pussy is enclosed in a pret—(10) The form (Cook). The form the companion of the pretaint of the pr in the arch of a doorway or above the supper table. When the time comes, the ribbons are pulled and amid a shower of rice, down comes the interesting news.

AMUSEMENTS

Conducted by MARION DALLAS

Showers and Announcement
Patties

HOWDERS and announcement perlies have become so popular of
late that of the most interestsocial questions to the Juno bride
lies interest social questions to the Juno bride
late in questions to the Juno bride
late in financial risends, is some noplan for publishing the happy

ed by the guests, and the affair endnited by the guests, and the allair end-ed by a ministgrially appareled per-sonage coming on the scene and issu-ing admonitions in such clever serio-comic periods that everybody went home in a ripple of laughter.



Farm Foreman's Home on Roycroft Stock Farm

The ordinary house on the farm need not necessarily be as elabor-The ordinary house on the farm need not necessarily be as elaborate as this one, but it should be just as comfortable. The farm foreman on the Royeroft stock Farm, owned by Mr. W. H. Shaw, York Co., Ont., might well be proud of his attractive home.

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lead of the ribbon. Inside the
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of mountains? (Range). (6) Member
of mountains? (Range). (7) Member
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When one has little color? (Pail).
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coming fortune.

Granite Shower.

A Line Shower.

A Line Shower is to have all the parcels pretenting with the state of the first state of the The simplest way to arrange the shower is to have all the parcels pret-

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(18)

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# HOME CLUB

### The Educated Girl, the Ideal.

HE article on the educated sirl versus the butterfly girl are rather amusing. In reading them one would think that all "A Mere Man" had to do was to select, choose, and demand the hand of any young lady. That is rather a primitive performance. What nensense! In nine cases out of ten "The Educated Girl" positively refuses him because she siders him far from being a suitable life companion for her. There can be no doubt as to which would make the better wife for any man. The educated girl most decidedly would.

It is rarely that a young woman has gained her education by idleness. the majority of cases she has had to work, and work hard too, in order to get her present standing. She knows the trials, the brain and nerve fag, the discouragements and worries which one encounters in dealing with the public in one's daily work. Is it not worth something to a husband to know that there is one at home who can give him the ready sympathy, the kind word and look? Can the "but-terfly" do this? Only those who have gone through like trials understand.

The educated woman has had ambition enough about her to want to earn her own bread and butter. She knows how to earn the penny and un-derstands its real commercial value. As a consequence, she knows how to spend it to the best advantage. If she becomes the mistress of a home, don't you suppose she will know how to spend her husband's money care-fully? She will put first things first. The faddy new hat and gown will be put aside without a murmur, for something more necessary in the home, or that a little nest-egg may

be laid by for the rainy day. As a Housekeeper.

In the business world the educated woman has been taught to keep accounts, to know when her expenses are over-running her cash accounts. This will be brought to bear in the home when she becomes a wife. Her whole life has been systematized. She whole life has been systematized. She moves, thinks, and works in an or-derly manner. Her home will be run on the same principles. There will be no losing the head or nerves, when things become a perfect confusion, for the simple reason that they will never arrive at that state. The evenings will always be reserved for her busband and family. Any one capable of acquiring an education is quite likely to soon learn the art of housekeeping. It requires brains and common It requires brains and common "Who can find a virtuous wosense. man, for her price is far above rubies. The heart of her husband doth safely trust in her, so that he shall have no need of spoil. She will do him good and not evil all the days of her life."

When the bread-winner is away among his fellows, he naturally is

getting new ideas, new views of old ones, etc. His mind is constantly developing. The average "butterfly" never dreams of keeping her mind apace with that of her partner. the educated girl! She is over striving upward and onward, making nome the ideal place for companions The bushand is proud to bring his friends to meet such a wife, for is confident that she can entertain, whether as a musician, a brilliant conversationalist, or an attentive and sympathetic listener. Her thoughts are for the happiness of others and not settled on her own selfish vanity. Physical beauty fades with age, but mental and spiritual remain through life.—"Corinne Mae."

### Men Not to Blame.

AYBE I'm foolish, but I can't help butting into the interesting discussion in the Home Club about educated men and women. I'm glad to say the question doesn't bother me much for I feel like the would-be poet who wrote:

"Gee whiz, I'm glad I'm free, No wedding bells for me

There! I hear "Sister Molly" saying reads this. as she reads this,-"sour grapes." Well, I might as well admit that I was stung—and by one of your "educated" girls, too. Of course it is all over now, but no more ventures for me. Suppose I might as well spin the yarn. Daisy, (we'll call her that) and About the time I was ready for an sunlight average start on a farm of my own, "The we had decided to unite our fortunes. Her dad, however, insisted that as we were both young enough and he could afford it, that Daisy should have a ear and a half or two years at college. had to agree of course, but when Daisy finished her college course, she decided that she would have a "broader outlook" on life in some other sphere than that of a farmer's wife and dropped me. I didn't blame her unduly for I never had much education, as, ter leaving public school farm. I have told this incident, just to show that some fellows would take "educated" wife if they could get

Of course "Here's Hoping" is right to some extent. By all means let us have all the education possible for all the blame on the poor men who have never had much of a chance and cannot hope to have this class of girls smile approvingly upon them. Most educated girls won't marry, except to men who are their equals as far as education goes. sides, most of them get high falutin' notions when they go off to the city to finish their education and won't go back to the farm. And then "Here's Hoping" wonders why so many of these girls don't marry and, forsooth, blames the men. Just like a isn't it? Did she stop to think that the average man and average woman in the country are about equal as gards education. It is only natural, then, that the girls who are supereducated and who will accept only a super-educated hubby, should have fewer chances of marriage, and this is at least one explanation why some of them are left on the shelf.

There's one satisfaction about the ordinary sort of girl, even if she is the butterfly kind. While she likes a good time, she is usually willing to take a man as he is, whether educated or otherwise, and does not feel that she is descending the ladder if she does so. Yes, education is all right and let us have more educated men and educated women-but to tell truth I've had about enough of the latter class to last me a lifetime.—
"Brother Jonathin." Winning the Wilderness

(Continued from page 16.) tones of the landscape, overhung now by a storm-girdled sky.

"This prairie belongs mostly to John Jacobs now, and it is just as it was when the Indians called it the Grand Prairie, and the old Pawnees came down here every summer to hunt buffalo. Some day, soon, there will be a sea of wheat flowing over all that level plain," Thaine said.

"And up here a home with nothing to cut off a fragment of the whole horizon. Think of seeing every sun-rise and every sunset from a place like this," Leigh said, her face aglow with an artist's love of beauty. "It's with an artist's love of beauty. "It's farther to China than I used to think when I dreamed of a purple velvet yond these three headlands.

"I always did want to live on the Purple Notches," Thaine said reminis-"I'm glad we came up here

The sound of singing came faintly

up from the valley far away.
"The crowd is mobilized. wagons crawling out of the grove and wagons crawing out of the grove and the civilians in citizens' clothes fol-lowing in carriages," Thaine said, as he watched the picnic party pushing out towards the eastward. "I'm so glad we aren't with them."

Leigh sat leaning forward, looking at the majestic distances lost in pur haze, overshadowed by purple clouds with gold-broidered edges of

"The world is all ours for once. We see all there is of it, and yet we are alone in it up here on the purple notches I used to dream about," she said softly

leaned back in his buggy and looked at Leigh with the same impenetrable expression on his coun-tenance that was always there when

she was present.
"Leigh," he said, at last, "if you didn't have Uncle Jim what would

"I don't know," the girl answered. "I never knew one of the fellows who didn't like you, but you, you don't who didn't like you, but you, you ten't seem to care for any of them. Pon't they suit you?" Thaime asked. "Yes, but I can't think much about

"Why not?"

Leigh drew a long breath. "Thaine, you have always been a good friend to me. Some day I'll tell

Tell me now," Thaine insisted gent-Leigh looked up, a mist of tears in

her violet eyes.

her violet eyes.

"Oh, little girl, forgive me. It's
because — because," Thaine hesitated.
"Because deep dewn where nobody
ever knew Fve loved you always,
Leigh. I didn't know how much und! the night of my party and the day we

"Thaine! Thaine! you mustn't say such things," ... sigh cried, gripping her hands together. "You mustn't! You hands together. mustn't!"

I must, and I will," Thaine

(To be continued.)

#### ATTRACTIVE DINING CAR SERVICE.

Perhaps nothing helps more to make a railway journey really enloyable than a visit to the "Dining Car," especially if the a Canadian Pacific Dining Car, where the passenger is assured of the highest form of efficiency in the culinary art, the choicest polysions that the market affords

Your favorite dish, as you like it, may be enjoyed at reasonable cost, amidst ideal surroundings, while travelling on the Canadian Pacific.

est provisions that the market affords, prepared on the scientific principle known as "Dietetle Blending." The

June 14.

Light or PEAKI mons situatie ing which Martin Bur mation. Hi

Last autu communicat Government whether it w the whole e as it was th would be pro anything, an achieve a other season able to comm ruary, when felt it would some arrang Nothing of done in Jam meanwhile th

land Govern

New Zealand

of 19 cents, f England, there we should see nadian cheese Process of Government, a ering the mat Minister, and perial Govern consider a pr ing cheese wo tory method i whose conditio ing cheese ent from those pointed out the ed through a tories which w facturing agen cies as well, an an entire contra try, where we h cheese buyers a Therefore we sa ticable to con Some correspon ble, and it was commission sho which the Brit have one represe of carrying out made, namely, ment to secure duction duction of Ca terms, it would b through all the nels that had o ness from time in a result of that, was finally app authorities appoi Gowan, and infor he was sailing f quite obvious done until that c ory, I think he the middle or end the chase mark opened, and tho heavy demand, a was being manufa

mum price that he land permitted a which allowed co on this side for that was offered, excess of that at

# 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-

Light on the Cheese Situation

PEAKING in the House of Commons last week on the cheese situation, another article concerning which appears in this issue, Hon.
Martin Burrell, Dominion Minister of
Agriculture, gave the following information. His remarks, in part, were as

Last autumn the British authorities communicated with the Canadian Government with the idea of seeing whether it would be possible for them, whether it would be possible for them, in some maner or other, to secure the whole expertable surplus of Canadian choses. We pointed out that as it was the close of the season it would be practically impossible to do anybing and that if they did wish to achieve surphing an that way another season, it would be very desirable to commence in January or February, when the Government here felt it would be quite feasible to make some arrangement which would be some arrangement which would be

ruary, when the Government here felt it would be quite feasible to make felt it would be quite feasible to make sentiated by the property of the property of the sentiated by th where the whole trade is done through cheese buyers and an organized trade. Therefore we said it would not be practicable to commandeer the cheese Some correspondence went on by ca-ble, and it was then suggested that a commission should be appointed, on which the British authorities would have one representative, with the idea of carrying out the suggestion we had made, pamely, that in any arrange-ment to secure the whole cheese pro-duction of Canada on satisfactory terms, it would be desirable to operate terms, it would be described to operate through all the existing trade channels that had carried on their business from time immemorial here. As a result of that, a commission of three

NO LONGER A DREAM!

You can take off a bumper hay crop without an hour's delay, and with the least work by

# using a

You want to harvest your hay crop just when it's ready. You don't want to be stopped by inferior, balky machines. That's why we say let Frost & Wood 80 years of successful, practical experience help you out. It costs nothing extra. The Frost & Wood Mower

# The Frost & Wood Rake

Built on a strong, heavy, angle-steel frame. Parts are rivetted, not bolted so they cannot shake off. Teeth are special high grade spring steel, every one carefully tempered and tested. The hardest work and roughest usage won't pull the F & W Rake out of shape. Fitted

strength. Very light draft because of the high grade steel roller bearings we use. Knives will work even with cutter-bar raised to clear ob-structions, saving time and crop. Internal drive gear, superior cutter-bar adjustment and construction all show the hand of the master-mechanics and guarantee years of splendid with automatic dumping service. Write to-day for folder on F & W Mower and Rakes, Side Delivery Rakes, Hay Loaders, etc. You'll get some profitable pointers on hay making.

strength.

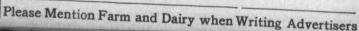
# The Frost & Wood Co. Limited Montreal SMITHS' FALLS St. John

It's a delight to use it. Simple and easily anaged yet a marvel of efficiency and

nanaged yet a marvel of efficiency and trength. Very light draft because of the high

Sold in Western Ontario and Western Canada by COCKSHUTT PLOW CO., LIMITED, BRANTFORD, ONTARIO.





ceased permitting any space to be taken up by Canadian cheese from Canadian ports There were reports that American and Canadian cheese was going by British and United States ships through American ports, and I think it probable that to some extent these reports were true thorities of those reports.

Manufacturers of cheese and cheese buyers were by this time, well on in buyers were by this time, well on in ingly lower price, which sooding at mid-May, becoming very uneasy as to the pockets of the patrons, but as this whether it would be practicable to jet would mean very little to each patron irid of their cheese at all in o spoce individually, I would suggest that it was to be given to it, and they were should be handed over to some patri-aiso uneasy as to the price, as one ofte fund. day it was 26 and 27 cents and later down to 20 cents, simply because there was only a nominal market, and the whole situation was uncertain and the whole situation was uncertain and vexing. They were beginning to store cheese; storage space was being filled up; they did not know whether to manufacture to a large extent, and in short, no one knew where he stood

Then quite recently it was stated that the British authorities had decided to commandeer all cheese, whether from the United States, or Canada, or Australia, or New Zealand, or any other point, directly it arrived at British ports, and that they had changed their maximum price and were now putting on the market for civilian use, cheese such a price as would permit it to retailed at about 32 cents a lb.

In so far as this Government is con cerned, every fact connected with the matter has been placed before the We have taken British authorities. We have taken it to be our duty to assist the Mother Country to get those food supplies which are so vital to Great Britain, it was also our duty to conserve, so far as we could on right lines, every legi-timate and fair interest of the producers of this country, and we wanted to achieve, if possible, both those obdects. neces. we pointed our asso, case it so low a price as 19 cents was likely to be fixed by the British authorities for Canadian cheese, they must not overlook the fact that in the case of such a commodity a very low price would simply result in the diversion of the raw material for cheese to oth er forms of manufacture that might be more profitable, and although the British Government might get all the cheese manufactured for whatever price they paid, tecause there was practically no other market, there was still the question of the amount pro-duced, as with too low a price, the manufacturers would divert the raw material to other uses. We showed that our conditions were not like those in New Zealand, and that our trade conditions called for entirely different treatment

understand that the British com missioner has been authorized to go but and buy for a time at a price of 21% cents f.o.b., Montreal, which, if not as satisfactory as some of our cheese manufacturers hoped, is at least more satisfactory than the New Zea-land price and is about 2 cents better to the factory than the average price of last year. Whether that condition will improve after a time, I am not in a position to say.

### Why Not Omit Coloring?

DITOR Farm and Dairy: In such strenuous times of war as we are passing through at present, I notice that your paper, in general with almost all other papers, is preaching "Economy" and "Increased Procheese factories are doing their best mission sufficient reason for discon-teneous factories are doing their best mission sufficient reason for discon-ted the sufficient reason for discon-ently from particitic metities have

excess of the price at which the New because it is sound business to do so.

Zealand output had been secured for But there is a matter regarding the Imperial Government. Meantime economy that perhaps your paper the shipping problem was also grow- could do a great deat to encourage. I may be supported the support of the support of the making of white cheese in the British authorities preactically also of the year estimation and the support of the suppor British authorities practically place of the very extensive custom of be making colored cheese

The use of color is absolutely u less, and serves no good purpose. This could easily be dispensed with if the buyers and the consuming public be brought to that way of thinking.

I do not suggest this, as a chec

maker, from selfish motives. all events, we advised the British au buyers would only ask for white cheese from this factory, I should be pleased to make it at a correspondingly lower price, which should go into

Perhaps, if you print this in "Makers' Corner" the suggestion might ma-terialize.—S. Adamson, Cheesemaker, Middlesex Co. Ont.

### Government Announces Price Set for Cheese

(Continued from page 13.) ping charges being prepaid by dealers. Quantities of 500 boxes (5 per cent. more or less) to each Bill of Lading and Invoice will constitute a de-

Payment will be made only after ocuments have been delivered in pro per order to the satisfaction of the

White or colored cheese, or cheese of different grades, or cheese known as Quebec and Ontario makes, must be

invoiced and shipped separately.

In event of delays in shipment tak ing place exceeding three weeks and three days from date of Grader's inspection, payments will be made thereafter under the following conditions: arter under the following condutions:
Such cheese in all cases must be
stored either in cold or ordinary
storage, as required by the Commission, and approved warehouse receipts and fire insurance certificates

rust accompany invoices.

The deafer or dealers will ship such Cheese at his or their own cost when instructed to do so by the Commission, giving a "Bailee" receipt for his or their warehouse receipts. The "Bai receipt will be returned to dealers on delivery of shipping docu-ments. In event of the Commission requiring dealers to store and carry cheese beyond the period of three weeks and three days, the Commission will pay the current cost of storage, interest and fire insurance.

All cheese to be coopered to the boxes clamped with iron hooping, as, and when required, and shipped in good order. Cheese badly "boxed" will

graded lower. Boxes are to be marked in su manner as may be directed by the commission, and each dealer will use a separate and distinct mark for each grade of cheese shipped by him, as may be directed by the commission.

As graders can only examine sam-ples of each delivery of cheese to the commission, dealers shall be respon sible for the weights and qualities of their respective shipments, notwithstanding inspection in Montreat, in the same manner as they would be if cheese were sold clif. London rules.

Cheese to be free from any adulter ation whatever, and all deliveries must be fresh current receipts. Cheese held in factories or storage of any kind will not be considered a good delivery

All invoices and documents mus truly represent the grade of cheese tendered to the commission. Any de-

Province of Ontario have formed a Provincial Milk Producers' Association. Definite action was tak-en at Toronto on Friday of last week when thirty delegates representing a dozen associations, and covering On-tario from Ottawa to Middlesex, decided that such an organization is now necessary. A provisional direcnow necessary. torate, whose duty it shall be to draft a constitution and then call a general meeting for ratification of the consti tution and the election of a constitutional board, was appointed as fol-lows: Chairman, E. H. Stonehouse, Weston; secretary, Manning W. Do-herty, R.R. I, Malton; R. F. Hicks, Newtonbrook; P. J. Griffin, Freeman; Cook, Beachville; S. Young, h, and H. D. Rice, Welland. Guelph. The objects and advantages of such an association and the results of a couple of hours' discussion, were admirably summarized by Mr. Stonehouse, in the following:

A Provincial Association will be a

medium of communication between the several local associations.

Under the central the province will e divided into distinct districts. It will guard the legislative inter-

nets of the producers. It will be a bureau of information cial milk conditions. will be an instrument for mutual

protection. Through it a uniform system of con-acts and uniform dating will be posalbla

Traffic rates can be adjusted.

It will carry on a work of publicity Ontario Plans Improved Highways and education.

### The Discussion.

All took part in the discussion of the afternoon, and all endorsed the idea of a provincial association. Mr. J. G. Smith, of St. Catharines, menoning the tendency of dealers, when higher prices were demanded, to threaten milk importations from outside points, stated that in preventing such importations a central ass tion could render signal service. Buying feed co-operatively and protection in case of tuberoular testing were other functions of a central, according to Mr. Smith.

"Are they telling the truth when they tell us they can get milk else-where to saked A. M. Shaver, of An-caster. "With a provincial associa-tion we would know this for our selves," Mr. Doherty suggested that serves, ar. Donerly suggested that all prices of locals should be submitted to the central for approval so that support, if needed, could be conscientiously given. Referring to regislative control, he said: "It would be impertinent, perhaps, for a small local to go to the government on a provincial issue as we would represent such a small part of the people. But a provincial association would have

"Let us educate the public to the fact that make is the cheapest article of diet to-day," remarked A. Forster, of Markham, and suggested such edu-cational work as within the field of a provincial association.

Space forbids full mention of all the discussion of a conference that lasted from 2 p.m. to 11 p.m., but the motion approving organization, moved by J. P. Griffin, and seconded by G. J. Cook, was passed unanimously. At cannot 7 p.m. the visiting delegates were the cents. guests of the Toronto Milk Producers' Association, and the evening was spent listening to short addresses by everybody present. There was much plain yet taken up the good road movement taking done as to the conditions which to consider it now and prepare for talking done as to the conditions which to consider it now and prepare for militate against ag

HE city milk producers of the ment and all showed themselves well informed on the economic problems of the farmer, and were quite able to exingly. The evening was rendered par-ticularly enjoyable, because of the feeling of comradeship which existed. The from Ottawa fraternized their brethren from Middlesex, and all extended the hand of friendship to the visiting delegates from Montreal. full list of those present, with the organizations they represent, is as fol-

Torento. E. H. Stonebouse. ton; A. J. Reynolds, Hampton; E. A. Orr, Clarkson; A. Forster, Markham; Jno. Newhouse, Snelgrove; R. F. Jno. Newhouse, Snelerove; R. F. Hicks, Wilton Grove; R. L. Crawford, Weston. Ottawa.—J. B. Long, Hinten-burg; W. F. H. Ellis, Billing's Bridge. burg: W. F. H. Bills, Blining's Brudge. Middlesox.—Andrew Cornish and Robt. Brown, Witton Grove. Oxford.—Jas. Fleming and F. B. Williams, Woods stock. Beachville.—G. J. Cook, Beach-ville; J. S. Nichofs, Ingersoll. Went worth.—J. P. Griffin, Freeman; J. A. Parker, Caledonia; Austin Smuck, Glanford. Peel.—M. W. Doherty, Glanford. Peel.—M. W. Doherty, Malton. Guelph.—S. Young. Lincoln. —Wm. Bougner, Beamsville; J. G. Smith, St. Catharines. Niagara Falls. —Hugh Mitchell. Welland.—H. C. Ancaster (visitors) A. M. Shaver Rice. and W. E. Shaver. Montreal, S. Smith and Malcolm Smith, Lachute, United Farmers of Ontario, J. J. Mord-son and C. W. Guerney. Farm and Dairy.-F. E. Ellis.

(Continued from page 10.)

that county wardens have to face is that of unskilled labor. derstand the art of road building, and this hinders the work. The consensus of opinion seemed to be in favor of a patrol system for the summer months. Some of the counties have already attempted this. Ten miles is the maximum that one man can cover and keep up the road. These men re ceive 25c an hour, and are hired for the summer season only. The annual cost per mile for maintenance of the gravel roads is \$50 or less

The county road officials were in terviewed during the tour and nished valuable information. They are in favor of the good roads move ment, and invariably they posed to statute labor. All appreci-ated the government aid, and were anxious to take fuller advantage of it in the future. The patrol system is the ideal one in their estimation, These wardens and members of the various county councils deserve a word of praise for their untiring efforts to secure good roads. They have had a great deal of opposition to overcome, and continue to have; but, as one warden put it, "the good roads speak for themselves," and therefore their troubles are gradually decreas

If any province in Canada good roads it is Ontario, and if any section can afford good roads it is this province. Ontario is in the heart of the continent with good rail and water service to all parts. All it needs is good roads from the interior to its shipping points to complete its system. The value of good roads to a district At cannot be measured in dollars and values along improved roads have creased 15% or more. It would be well for those counties that have not

Doings of ONSIDE deman tion of the the principa of Windecks into a Seed While a co not an easy district, I be ful in organiz of seed produ on a more s place is prob producing ce year, when a growers abo some seed o better grade per bushel.

After receiv ity of the De tractor for us in touch with thought coul found that me that time ma use have com date we have May 24th at running steady jobs in July ar ber. We thin dications, it procure two or in order to c Branch, Simco During the p

County Branc

placed severa boys on the fa warded a few a very much in e whole county, b ther conditions ever will be p thing else durin weeks.-H. Branch, Markda We have done Gillespie, of Pet enthusiastic and considerably in Mr. Gillespie a boys have been

applications

Labor Bu

date, in Peterbe

the applications help provided .borough County The two farm have been u neither of them ing so far. ing so far. I w of the owners of they say that th tor worked very no ill effects at ground. This is of the criticisms of the tractors l W. Stark, Peel Co

ton. Included in our week was a letter of the Live Stock asking me to loca company about to Montreal, three of Ayrshires. This ly turned over to Southern Counties Club, and when M in Woodstock, had one car of ea rest of the order, they may be able to the number of catt Green, Oxford Cou

The question of

demand for anothe seed a porin this district, I dervoted a porin this district, I dervoted a porin this district, I dervoted a porin the principal growers in the locality
of Windecker to organize themselved, the principal growers in the locality
of Windecker to organize themselved, the Trades and Labor Branch in HamWhite a cooperative organization.
White a cooperative organize in the frades and Labor Branch in HamMile a cooperative organize in the frades and Labor Branch in HamMile a cooperative organize in the frades and Labor Branch in HamMile a cooperative organize in the frades and Labor Branch in HamMile a cooperative organize in the frades and Labor Branch in HamMile a cooperative organize in the frades and Labor Branch and a few
Johns organize in the second or own county. In most case, and the properties of the principal during the purple by the government and little or
labor and the standard draw of the properties of the production than the properties of the production of the standard of the properties of the production of the pro some seed of excellent quality, the better grade selling readily at \$25.00 per bushel.—Geo. L. Woltz, Haldimand County Branch, Cayuga. After receiving word of the possibil-

ity of the Department buying a farm tractor for use by the farmers, I got in touch with a number of men whom thought could make use of same, and fund that many could do so. Since that time many applications for its that time many applications for its use have come in and at the present date we have work asked as the date of the in order to cover the county fairly well.—E. F. Neff, Norfolk County Branch, Simcoe, Ont.

During the past few days we have placed several more Grey County boys on the farms and have also forwarded a few applications to the Bur-eau at Toronto. The labor shortage is eau at Toronto. The labor snortage is very much in evidence throughout the calculating that America will fail in whole county, but with favorable wea-shis, and that our AHes will have to ther conditions a larger acreage than give in."

Mr. Gillespie about thirty men and by President Wilson. They are boys have been placed on farms. A words which should be taken to the Labor Bureau in Toronto. To date, in Peterboro, I ink most of the applications have been filled and help provided.—J. C. McRae, Petersonous Control Branch, Norwood.

The two farms practice in the same and by President Wilson. They are few words which should be taken to heart by every Canadian.

The farm of the provided of the

The two farm tractors in this county have been used this spring, but neither of them has done any ploughing so far. I was talking with both of the owners over the phone, and they say that the International tracthey say that the international trac-tor worked very satisfactorily in cul-tivating the land, and that there were no ill effects at all from packing the ground. This is interesting, in view of the criticisms we sometimes hear of the tractors being too heavy.—J. W. Stark, Peel County Branch, Brampton

Included in our correspondence this week was a letter from Mr. McQueen, of the Live Stock Branch at Ottawa, of the Lave Stock Branch at Ottawa, For \$11.59 one of these certificates asking me to locate for the new dairy can be purchased, and at the end company about to be organised in of three years the Government will Avrahires. This order was prompt the investment will have increased by turned over to the Secretary of the fix value to that amount. This means Southern Counties Avrahire Breaders' inferent at nearly \$15, 400. Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest on Montreal, three carloads of grade pay out \$25, that is, the interest of Ducks of Books of Books of Books of Books of Grade pay out \$25, that is, the interest of Ducks of Books of Book

Doings of District Representatives colving a considerable amount of our time and attention. Up to this date demand for attains seed grown land and Niagara Falis high school boys of Welling the district, I devoted a por-have been placed on farms. In addition of the week endeavoring to get tion to the weak project through the principal growers in the locality other sources about fifteen young fellows.

which a tractor could be used at once etc. have been affected by improved do good inc.

in the preparation of sowing corn, weather solditions. Heater and the preparation of sowing corn, beans and factory peas. I got further promise of all the land we would require after these crops are put in . I cortain. Windper sports little trade.

Communicated with Mr. Duncan, who informed me that a tractor had aircady but now for germination were good, informed me that a tractor had aircady but now for germination were good, and then sent to Burford. I received an application for fifty acres more in this morning's maif from a farmer in that district. I am also planning to have moisture a tractor in the vicinity of course of the present the

stuffs we stand a grave chance of losing the war. Our enemies are

wat of a few applications to the Bureau at Toronto. The labor shortage is a very much in evidence throughout the best of the words of a proposed part of the put in Good weather of the good wea

creased food production, and the second is by economy, in the second is by economy, and the second is by economy, elimination of wasts, is as Delaware, \$1.70 viations, Wastern, \$4.50 viations, which is the second in the second is by economy, elimination of wasts, is as Delaware, \$1.70 viations, Wastern, \$4.50 viations, which is the second in the seco

making an excellent Investment. For \$21.50 one of these certificates

# Market Review and Forecast

will be in operation within a short time. I feel satisfied that as soon as the tractor is working we will get past week. Foreign at the tractor is working we will get past week. Foreign at markets more applications than we can accept—R. Schuyler, Brant County branch, Paris, Ont.

Without Economy War in Danger of Being Lost

MILL FEEDS.

POTATOES AND BEANS.

woman cannot work in munitions, but every man, woman or child can secondari and can save.

The proper use of savings is to increase. The proper use of savings certificates. There is war savings certificates. These are issued by the savings certificates are issued by the savings certificates. These are issued by the savings certificates are issued by the savings certificates and are so that is the savings certificate one is not only providing with the supply is limited saving for eggs, and the supply is limited saving for eggs, and the supply is limited saving for eggs, the saving sav

,	Toronto: Buying	price	delivered
	Chickens, milk fed do ordinary Hens, under 5 lbs. do over 5 lbs. Roosters Ducks Turkeys DAIRY PRODU	23c 25c 16c 20c 16c 40c	Dressed. 27c 24c 23c 25c 18c 00c 18c 50c

come to terms with the British authorities. They have authorized to pay 21% for No. I Canadian cheese. The No. I Canadian cheese. The No. Output has been commandered by the British Government at 18. Cheese—No. Government at 18. Cheese—No. Che

LIVE STOCK

The beef attle mrket has remained firm during state length week. The offerings have been greatly week. The offerings have been stated of the market Quotations follow: Choice heavy steers #1.50 to \$11.00 to \$10.00 to \$1.00 to \$1. do common 6.00 5.50
do grass 6.00 10 5.00
do grass 6.00 10 10.00
do heavy and butte 7.00 10 11.00
do heavy and butte 7.00 10 11.00
do heavy and butte 7.00 10 10.00
do grass 6.00 10.00
do grass 6.0

CHEESE BOARD SALES

least than wool sheep.

CHEESE BOARD SALES.

Woodstock, June S.—Blight factories boarded 1.618 bevs and cheese on the board to-day. The buyers cheese on the board to-day. The buyers discovered to the board to-day and the board to-day are sheep at 15 box of the board to-day and the board to the board to

(22)

# A Son of a Canadian Champion

We are offering a 2 mths. old son of Lady Segis Walker, our Canadian and World's Champion % cow with 104 lbs. milk 1 day, 28.5 lbs. butter and 658 lbs. milk in 7 days. This fellow is as fine as we ever produced.

### His Sire

Is King Segis Pontiac Spofford, a son of Arfinann's great \$50,000 sire. Can you beat him for backing? See this fellow if you want the best in a berd sire.

We also offer a gd-son of Lady Segis Walker—a splendid chap, neatly turned and rightly bred.

#### Ed. B. Purtelle Bloomfield, Ont.

# WANTED-REGISTERED FEMALES

I am on the market to purchase a number of registered Holstein females with records up to 30 lbs. Would be pleased to hear from you as to what you have to offer. Kindly state in your first letter, pedigree, price and full information with photo of each animal.

W. G. BAILEY, Oak Park Stock Farm, R.R. 4, Paris, Ont.

### ==SPECIAL=

Our present offering includes 4 choice young buils from 1 to 4 months.

Good individuals from R.O.M. dams and from sire with 50-2b. breeding.

Also 2 4-year-old and 1 3-year-old ows asfe in calf to the same sire.

Prices right and WE PAY THE FREIGHT.

Write for extended pedigrees or call at the farm H. W. PARKINSON, R. R. No. 5, Hageraville, Ont., Haldimand County LONG DISTANCE PHONE

# CLEAR SPRING FARM HOLSTEIN HERD HEADER

Korndyke Burke Het Loo, No. 2168, born April 19th, 19th Grandson of both and a state of the control of the cont

MERRICKVILLE, ONT. J. C. JAKES

### VILLA VIEW OFFERS FOR SALE.

choice buil caives all sired by our \$2,000, 25 ib. ALCARTRA buil. The demand has been greater than the supply. 60 head in the herd and only 5 buils in the lot.

ARBOGAST SHOTHERS,
Sebringville, Ont. Sebringville, Ont.

# Registered Holsteins

Bulls from one mouth to 17 mouths old for sale. All from our grand herd s ire, Echo Segis Fayne, whose sire is half-brother to Segis Fayne Johanna, the world's wonder cow, that saist made a record of 50 lbs. in 7 days. If you need a well backed bull write at once. you need a well backed bull write at once.
HN M. MONTLE, Sunnyside Stock Farm STANSTEAD, QUE.

# Lakeview Holsteins at Auction

M you want to get high record, tubercular tested stock, that is fully guaranteed, don't miss the consignment sale at Oakville on June 20th. Inpection and correspondence solicited.

MAJOR E. F. OSLER, Prop. T. A. DAWSON, Mgr.

### Holsteins For Sale

100 choice cows, helfers, helfer calves, bulls, bull calves. Write us your requirements and we will quote you at attractive prices. Apply at

Apply at
NORFOLK HOLSTEIN-FRIESIAN
BREEDERS' CLUB
J. Alex. Wallace, Sec'y.
Simcoe, Ont.

### CREAMERY FOR SALE

at once. Make for past season over 230,000 lbs. Doing besiness every day. Price reasonable. Must be sold at once. Apply BOX 84, FARM & DAIRY, PETERBORO, ONT.

### AYRSHIRES

### 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. 49184, son of the famous Netherhall Robin Hood, imp. No. 28781. Inspect herd or write for particulars. AYERS CLIFF, QUE. B. J. TAYLOR

### PEACH BLOW AYRSHIRES

Young Stock for sale, slways on hand (both sexes), from high-testing heavy producers. Good udders and large test a special feature of my herd. Three fine young files ready for service. Get particulars of these if you me

compared with the work of Crimson Rambler, whose nine A. R. records aver-age 10,372 pounds milk, 375 pounds but-ter-fat made under normal farm condi-tions:

Lbs. fat. Test bega Sth. Mature Class ... 11,865 442.55 Dec. 28, 1914 9th. Mature

### A CANADIAN HEIFER IN U.S.

A CANADIAN HEIFER IN U.S.

DETOR Farm and Dairy.—Our Junior
Dewdrop, No. 331946, known in Canada as Daisy Woodhand Dewdrop, 1813,
trander, Ont., at the sale of Holsteins
beid at New Westminster, Oct. 13, 1914,
21er performance is as folionist 4, 28, but
ter, 34, 286 lbs.; 10 days' milk, 2,762, lbs.,
butter, 134, 68 lbs.; 10 days' milk, 2,762, lbs.,
butter, 134, 68 lbs.; 10 days' milk, 2,762, lbs.,
butter, 134, 68 lbs.; 10 days' milk, 2,762, lbs.,
days' milk, 2,762,

at the age of system, should be associated by the control of this record is that we stopped at 32.59 lbs, but ran along withing for some of our two-year-olds and she finished up as above. Her record for seven days was made 58 days from calving: She gave us a nice helper calf from Colonia McKliniy Septia DeKol.—M. Wather, Supt. Lodge Ven Heim, Kent, Washington.

### Postal Card Reports

Correspondence Invited.

RICHMOND CO., QUE.

DANVILLE, June 4.—We have had a cold, backward apring. Seeding is fully a month later than last year. Many of the farmers are still working on the land Pastures are fairly gods. Potatos are 53 per bus.; butter, 45c; eggs, 40c.—34. D. B.

### LEEDS COUNTY, ONT.

MALLORYTHWN, May 24.—The spring has been backward and cold. There is a third of the grain to be sown yet. Seed sociates have been acaroe and a carload which came into Mallorythm and for the fact which came the sociation of the seed of

### HASTINGS CO., ONT.

TWEED, June 6.—The hast few days have been favorable for planting, and farmers are ninshing their hoe crops. Meadows are making slow growth, but with tavorable weather would soon inspress. Spring grain ordered in the provided of the state of the state

### DURHAM COUNTY, ONT.

DURHAM COUNTY, ONT.

CAIDDEN HILL, June 4.—Growth in field, orchard and woods is two weeks later than usual. Trees are only now coming in Seat and bloom. Every consistency of the country of the country

are on the market. There will be an average of three-quarters of an acre to acach farm. Beef cattle are selling at 19c. to 11c; pigs. 516 to \$16.25; cats. 30c; barley, \$1.35; buckwheat, 3c a b.; butter, 35c; eggs, 38c; lard, 27c; —J.A.S.T.

EDNONTON DIST., ALTA.
HORISB HILLS. May 28—Well bere we will be midst of our spring work again. A much larger crop is going in this year than was sown less expended to the work of the second of the EDMONTON DIST., ALTA

NEW WESTMINSTER DIST. B.C.
GHILLIWACK, May 28.—Ensilage corn
for the best of the considerable more corn than last year is
being planted. The hand pasture fields
let sprike more corn than last year is
being planted. The hand pasture fields
let sprike more corn than the pasture fields
to other sources than the hay even for
writer feeding. The first time. The new
Preser Valley Milk Producers' Association, Limited with handquall the milk
could be the control of the country of the country of the
month's prices were \$6x. a. h. butter face
for milk, and \$6x. a. h. butter sat for
cream.—N.E. \$6x. NEW WESTMINSTER DIST., B.C.

# Holstein-Friesian Records

11. The Quakerses, 46445, 1y, 11m, 10d; 231.5 be milk, 11.66 lbs. fat, 14.60 lbs. butter, G. F. Maßnon, Woodstock, 2011. 12. Colony Princess Korndyke, 2015. 12. Colony Princess Korndyke, 2015. 13. Lbs. 2015. Lbs. 2015. 13. Lbs. 2015. Lbs. 2015. 13. Lbs. 2015. 1

13.1 1.24.4 108 101107. F. 15. Neilson, Campbellifered. Mary Korndyke, 3850.1 14.6 tbs. 14.6 tbs. 28.8.7 tbs. milk. 11.66 lbs. 28.8.7 tbs. milk. 11.66 lbs. 28.8.7 tbs. milk. 11.66 lbs. 28.8.7 tbs. milk. 11.6 lbs. 11.6 lbs.

Son.

18. Midnight Korndyke, 40784, 1y. 10m.
27d.; 289.9 lbs. milk, 9.12 lbs. fat, 11.40 lbs. butter.
14-day record: 1y. 10m. 27d.; 546.8 lbs. milk, 17.59 lbs. fat, 22.11 lbs. butter. R. M. Holtby.

W. A. CLEMONS.

W. A. CLEMONS, Secretary.



### & TANGLEWYLD AYRSHIRES

The Leading R. O. P. Herd Large Cows, Large Teats, Large Re-cords, High Testers. Choice Young Bulls and Bull Caives and a few Cows for sale.

R. R. NO. 1, WOODDISSE BROS.,

erseys Victoria County

We are offering a splendld young Registered Jersey Sire—neat and trim and the choicest of breeding. Henry Glendenning & Son, Manilla, Ont.

Ready for Service

June 14 HOLSTE

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Holsteins.
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Lady Petrix ...
Maple Fay's Que
Princess Vida Pi
tertje ...

"The above rec-farm under fair! The cows were in but we were no have them hand! had several chang-ers. As you are the best out of a this way. DeWin year-old, made a r the impression is the impression is to no to the Prairi Year-old class, an

HOLSTEIN-FRIESIAN ASSOCIATION

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strew. The meal ratios is ensuly press at the process of the proce

# Holtby's Consignment-

PRINCIE CONCORD CREAMFILLE (28870), a fine bull calf born October 12th. His sire is brother to HET LOO PIFTPERTUR. 20.28 bbs., the world's record junior 2-year, old, being sired by PONTIAC KORNDYKE HET LOW whose 2-year old daughters are making the best average of any kull in Canada.

Dam of Sire is ROXIE CONCORDIA, 100 lbs. milk in 1 day, and 30 lbs. butter in 7 days. Dam of this calf is sired by KING SEGIS PONTIAC LAD, 3-4 brother to the

FEMALES—SNOWBALL SEGIS, a daughter of the 29-lb. Son KING SEGIS, SIR AAGGIE BEETIS SEGIS. VIOLA DelFOL End, an 18-lb. cow, dam of FAYNE SEGIS DelFOL DelFOL SEGIS COLUMN CONTROL OF SEGIS DELFOL OF SEGIS DELF

FRANCY DONERGOES VELLSTRA, daughter of a 25-lb. FRANCY por and the port of a 11-lb. yearline. MIDNIGHT KORNDYKE, LLSs at 1 year and 10 months. NOTHEBILAND JOHANNA MERCEDES 2nd, 11 lbs. Also 3 mec, well-grown helifers due August 5th and 6th, one from a 21-lb. 3-year-old, the other from a 14-lb. 2-year-old, with a 20-lb. grand-dam.

SECURE A CATALOGUE and look up their breeding.

# R. M. HOLTBY

R. R. No. 4

PORT PERRY, Ont.

# **World's Record Breeding**

WILL BE FOUND IN THE

At the first Annual Consignment sale, to be held at OAKVILLE on ane 20th, four richly bred individuals, all tubercular tested, and fully guaranteed.

No. 1.—Dimma Pauline DeKol—Milk in 1 yr., as a 3-year-old, 14391. Butter, 591.25. Av. test for year, 3.28 per cent., butter in 7 days, 26.65 lbs. Her last two calves sold brought \$350 cash.

No. 2.—Edgemont Tolkille.—A very promising young cow of a strictly Dairy type. Her dam is Tolkilla of Riverside, the 1916 Canadian Champion year cow, 24094 milk. Butter, 167,50. Av. test, 3.5 per cent. She is bred to freshen Aug. 21st, 1917, to Dutchland Col. Sir Mona, sire of the Canadian Champion Sr. 3-year-old, 34,66 lbs. butter in 7 days.

No. 3.—Lakeview Colantha Sir Wayne—(Bull)—His dam, G. & B. Calamity Wayne Rose, butter in 7 days, 25.88 lbs. Milk in 30 days, 1944.5 Butter, 190.46 lbs. Canadian record when made. He is sired by Dutchland, Colantha Sir Mona.

No. 4.—Lakeview Count—(Bull)—A faultless individual, well marked No. 4,—Lakeview Count—(Bull)—A faultiess individual, well marked and whose 10 paerest dams average over 28 lbs. butter in 7 days. He is three-quarter brother to Lakeview Dutch. Artis—Canadian Champion Sr. 3-year-old butter cow, 34.66 lbs. Av. test, 4.88 per cent. He is also three-quarter brother to Lakeview Heng. Wayne, wimer of Champion and Grand Champion at Toronto and London Fairs, 1916.

# **Lakeview Stock Farm** BRONTE, ONT.

MAJOR E. F. OSLER, PROP.

T. A. DAWSON, MGR.

When You Write--Mention Farm & Dairy



(24)

# A Great "7" to Oakville Sale

FROM

King Segis Pontiac Posch

Our Senior Herd Sire Several of the females will be bred to "King."

# MANOR FARM

# Females-

I. Lady Mercena Schuilling made 26.44 lbs. butter, 524.30 lbs. milk 7 days in R.O.M., with average fat per cent, of 4.03. A large, strong, well turned heifer. She will be bred to King Segis Pontiac Posch.

2 Manor P.H. Gem This heifer made 1961 lbs. at 2 years of age from 417.9 lbs. milk, with an average of 3.75 per cent. fat. She is a particularly straight, neat heifer, with a future ahead. She is just recently fresh and her bull calf by King Segis Pontiae Posch will also be in our offering.

3. Manor P.H. Canary with her first calf she made, butter, 17.71 lbs.; milk, 400.2 lbs. At 3 years, 14 days, butter, 35.03 lbs.; milk, 802.9 lbs.; fat, 4.2. Will be bred to King.

4. Manor P. H. DeKol She made 19.19 lbs, butter and 344.8 lbs, milk in R.O.M. as a 2-year-old. At 4 years she has to her credit 21.01 lbs. butter and 497 lbs. milk. She is a particularly fine heifer and will be bred to King Segis Pontiae Posch.

5. Hengerveld Jewel Posch

Just a year old June 20. A clean, neat heifer, out of Jewel Cornelia Posch, with 23.963 lbs. milk and 940 lbs. butter in

# Males-

1. A young son Manor P. H. Gem, 19.61 lbs. at 2 years, as above. This young chap is a son of our great herd sire.

2. Manor Segis Pontiac

Born Feb. 7. A particularly fine young sire, well marked, straight and clean. His dam is one of our finest young heifers with a record of 18.59 lbs. butter and 419.5 milk as a 2-yearold. Of course he is by our great Sr. herd sire, King Segis Pontiac Posch, a son of the great \$50,000 Arfman bull.

Gordon S. Gooderham Manor Farm Clarkson, Ont.



THE SALE THE SEASON Meet Your Brother Breeders At the OAKVILLE SALE

WEDNESDAY JUNE 20 1917

SALE BEGINS

45 Head Registered Record Animals

# See GRAND HOLSTEINS in the Offer

CONSIGNED BY

# Messrs. Gooderham, Wallace, Holtby, Gies, and Osler

males. Every one of them selected for this sale-to fulfil the demands that such a strictly high class event like this calls for. Every one of the Breeders consigning is a recognized expert in the breeding and selection of stock-and each Breeds the Best Types and the Best Producers.

These eattle were not placed in the ring to find sale. They were obtained with difficulty. Each Breeder stated that he had "none to spare," that the demand was

This sale promises to be one of the greatest Holstein events of the year. Quality and nothing but Quality will be there, in both young and mature stock. Forty head—and only five the result would be the establishment of a high class Annual

Event-an event that will be of great education and interest and value to both

Breeder and Beginner.
Gentlemen! Plan to attend this sale on the 20th inst., at the Agricultural building on Oakville Fair Grounds. Seating capacity for 2,000 people. Oakville is situate on Lake Shore Highway, midway between Toronto and Hamilton, on Grand Trunk (and Radial from Hamilton). Sale starts at 1.30 sharp. Send for Catalogue. Study the merits of the animals, the value of their breeding. Join in on the occasion and get one or more of these good ones.



ONTARIO SALES & PEDIGREE CO. Auctioneer 37 King St. E., Toronto Ont.