

A ROADWAY IN RURAL ONTARIO.


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"Make Your Land Support its Defenders !"

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

"IHAVE attended this feifr", re Awarda in the pore bred classes ane marked an Ontario visitor to given in full in this issue. The grade
the Eighth Annual ©pr'ng Show clases are worthy of speciai mentiden at Ormetown list week, "every year Both Aye worthy of speciail mention. at Ormatown list week, "every year Both Aysatire and Holsteln grade since th was irat inaugurated, and olasees compared cavorably with the Che wonder of how such a emall dis- corresponding pure bred classes; in trict can produce such a great fair fact, the Holstein grade milik olasses has continuaily grown upon me." were a more unifortn and bettar uddet-
Perhaps the seerot of the fair's suc. ed lot of cows than were the registered cess was explained by W. J Blaek of ed ot of cows than wore the registered the Domlnion Resources Committee, dit a . These ciassee were a splenWhe waminion Resources Committee, did a sument for the use of good pure fair, when the epoke of "the live atock bred sires in grade herde. fair, When the eppoke of "the live atook Mr. W. W. Ballantyne, Stratford,
atmosphere" that seemed to pervade the place. The people of the Beau- and placed the Ayrshires, pure-bred the place. The people of the Beau- and grade; Mr. F. R. Mallory, of toek mens, and they are all Interested Prof. H. Barton, of Macdonald Colin mood stock, particularly cattle and lege, H. Barton, of Macdonald Colin good stock, particularly cattle and lege, the Jerseys. show that is purely agricultural, with the fuiging of the various classes the main attraction.
The evening porformance was the "drawing card" with the townspeople. It opened with a cattle parade, dairy cattle, for there was not a beel animal on the grounds, that entirely filled the blg judging pavilion, the white coated attendants leading the choicest cattle that the distriet could produce. The rest of the evening was devoted to horse foulging, the most popular eveats being the lady drivers and "musical obairs" played by riders on horse buck. This latter feature was introduced for the first time last year. Montreal polo players being brought to Ormstown for the evening parformances. Some local farm boys entered
and won from the vieltors, so this and won trom the vieltors, so this year the local boys were given the fleld to themselves. The game, which might be mede a feature of our winter Cair's performances, is played exactly as ts the old parior gume that we all know as "mueical chaira," except that the playere are riding and when the nusic stops the rider bes to dismount and sit on his chair. When two clders
were going at full gallop for one chair developments were always intercesting.

## The Horae Classes.

There were 150 draft horses and 165 light horses entered. The drat horses were at Clydesdales or Clydee dale grades, something to be expected in a diotrict where the stookmen ar ahmoert all of scocoliteaced. Some of the prinetpal exhibitors were Nigle Armon, Trale Broe How tikk: $A$ MoCormele, A. Now and W. Nussy, of Bryonvilio. Many and wis And from one to three or four others had the annd charpon head on hand. The grand obampion shipa all went to the Ness stabiee Buron sua more interest contered t Spencer of the Prlark a Canadiand bred stallion by Sir Spencet, and the aren slankion at the laot Oitawe Winter Fair. Ruby Jen, a beautital importer Fair. Ruby Jen, a beauriaui importe black mare, generally recognized a one of the tinest in
plon Clyde mare.
pion Ciyde mare.
Both stheep and
Both sheep and swine pens were but scantily filled. in the former, Ayer
i 8on, of Bowmanville, Ont eood exhibit of Dorsets, Cheriots and good exhibt of Dorsets, Cheriots and
Southdowns, but local entries were Southdowns, but local entries were lew, and most of the money came to Tamworths, Berteshires, Yorkshiree, Damwanchs, Bentishires, Yarkshiree and ewine entries totalled only 110 head.

The Dairy Cattle.
But it is as a dairy ehow that Ormstown tg best known. Dairy oatule entries totalled 393 head, Ayrsehires, Holsteins and Jeracys. There were a few of the first two breeds from outside points, but the greater portion came from within a few milles of Ormstown. The Jerseys were practically all from the other from the Eautern Tornahlips.

## The Ayrshire Clastes

 Birs Ayrehilre is at home in the Beauharnois district, and Ayr-
shires at shires at Ormstown are alway questionable is my it ix is indeed ada ever had stronger claseos Canone or two that were ceen at Orma town last week Many seen at Orma viduals were left many spiendid inditogether, and from fint to money alW. W. Ballantyne, who placed the awands, had his bands full. The this formity of type, particularly in the bull classes, was wonderful. The exhlbit wes atrengthened by the arrival from quarandine, Just belore the fair, of one af the low Importations from Scotland this year. This lot, selected in Sootmand by Marr, of Auchenbrain, and mported by R. R. Ness, contained orne of the flesest young bulls ever frovisht to this country apd several amang then the new importation made awan the grand champlonship henbrain Gir whleh was glven to Auc lines, and as andrew, a Juntor yearmal as one could well desire.
First place in mature bullo
Gleahurat Tomes Mator, shows went to bert McMMlan. He appeared in lent fit, but won by ondy a small man gin over Burnaide Fannte Scusier, bull with more quali.y, somewhat larg. er and more saripely in the bind quar ters, but without the subetance and atting of the winner. The two-year old olase brought out one of the Nens importation, a very anowithy straleft bull, and by the great Perfect Plece sunnyside Masterplece, in second place, had a great depth and was particularly good in the hind quarters A very richly bred calf was shown by McMulan in the senior section in Gold plece, a combination of the blood of Masterpiece, Perfect Piece, and Plece noal.
Some of the female olasses suffered air thes of the meason at whioh the of the deid, many of the Dest Aymaires or the aistrict being timed to freshen in milich tair ctronit. Matyre cown entria, however, brousht out fourteen made and a grand showing they on H. Frat thonors fell to Shapman Gordon ay, owned by R. R. zreen, wit Panay. One of the finest cows shown Was Loohfengues Cherry, a grand ble cow and firat in ther class for three years in succession at Ormetown. This year she won in the dry class and was reverve champlon. Cavera had a very shapely, sweet heifer in this three-yearold Oraage Blossom. Graded Ayrshire herds were as usual the most impressive exhwhit of the fair, with five herds .
The exhibitors were R. R. Ness, Howck; D. T. Ness, Howlck; Peter Mo Arthur, Howiok: J. P. Cavers, Onme .ill, J. \& C. C. Mamantyne, Ohester Jno. Logan, Howick: Petar River: jno. Logan, Howiok; Peter Dictitonk
Ormatown; Geo. Hope, Allan's Cor (Contimued on page 9.)

$I^{N}$ohlonide solution machbue par (foll atrenge. $0^{\text {n }}$ pounds
To make or :wooden to ten pounds over night, the clear lipu one hundred ehloride of II dairy supply twelve bottle onebalf pour Price, about and half-poun stores le y, uou price and is n tubes and tep above. It wil oummer and $t$

Do not mula too much chlor long as it will alum-lodide tos dal propertles wee this chan sone, and it a roletion made.
Chloride of 1 been used at dalry barn durir

These soluth times when the test paper, and stenile on each

We have for to this solution our barn. Both appear to be कfloride of time year.

The addition o keep the so winter if the $s$ melkhonse or be

Care must be ton atrong by us too stille water, anta will becom

Now let us tur in influence on the cteanMness o

General CI
The metal par Part of addnam


## To Get Clean Milk With a Milking Machine

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

I"obloride of Hime we have a cheap and effec (tue germicolite trom whiloh a very satisfisctory solution can be made for sterilizing milking (full strength 33 Der pound of cbllanide of lime ' 0 ' pounds (ten gallons) available chlorine) to To make (ten gallons) of water.
To make solution, mix in onamel pall, orock or wooden tub, one pound of chlorkde of lime to over night, giving an ocoaslonal allow to stand the clear Ilquild and andid sumblonal stir; pour off the clear liguid and audd sufficient water to make one hundred pounds (ten gallons). Fall strength ehlorlde of lime cat be bought from any of the
dairy supply houses, put up in cases containing twelve bottles, each bottle containing containing tweive bottles, each bottle containing three and one-half pounds, with full directions tor use. Price, about $\$ 3.00$ per case. That sold in pound and half-pound cardboard packages by drug price and is not recommended. Immerse high in tirbes and tept cups in this ed Immerse rubber thbes and tent cups in this solution, made up as
above. It will be sood for abot two weik summer and three weeks in winter. weeks in

## 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 atnip of starch-potan-eium-lodide test paper dipped into it, its germileldal properties ars a.k.; as soon as it falls to produce this ohange its germicidal propertles have gone, and it must be thrown away and a new solotion made.
Chloride of ume solutions made as above have been used at the Ontario Agnicultural 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 aleo tound to be sterile on each occuslon when a test was made.
We have found no attvantage in adding salt to this solution, and have given up ueing it in our Sarn. Both the metal and the rubber parts appear to be well preserved after lying in a chloride of lime solution for athe greater part of a year.
The addition of some salt may be necessary to keep the solution from treezing during the Winter if the solation is kept in a very cold Cathene or barn.
Care must be taiken not to make the solution. ton atrong by naing too mueh ohloride of dime or too thtle water, or we shall find that the metal parte will become corroded and spolled.
Now let us turs to the other factors which have an influence on the quality of the milit, beeldes the cteanliness of the teat-cups and rubber tobes.

General Cleanliness of the Mach 10.
The metal parts ahould be thoroughty washed

[^0]and scalded each time after use, and then should be put in a clean place out of the reach of dust again. The teateups andid remaln until required on to the machine and and tabing abould be fitted on to the machine and well ninsed out before and after use every time; warm water ebould be ueed for rinsing before millking to remove all traces of the chloride of lime; warm water and washing powder ahould be used first after milking, and
then hot water, putting the tabbes in the atently then hot water, putting the tubees in the steriliz. ing solution again.
All teat-cups should be taken apart at least once a week and given a thorough sorubbing with hot water end washing powder, and the tobing muat 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 MOST


## The Hand Separator

${ }^{6 T} \prod_{\substack{\text { HEE hand } \\ \text { ator is } \\ \text { greatest the curse }}}^{\substack{\text { then } \\ \text { gren }}}$ of the dairy industry." The speaker was one of the most eitensive but. ther manufacturers of the Province of Quebec. His opinion, therefore,
commanded weight. "Why?" I asked. some "Because it lost usked.
several years ago us the British market the quality of our butter thas so reduced meet foreign competition that we can't markets when it comes, Yes, I know we have the British it will. now, but can we keep it when the war is over! I know that we can't." the war
"All the milk in these township
to be skimmed at the creamery," used tinued this sworn enemy of the creamseparator. "It was dellvered the cream was dellivered wweet. We daily and cream and made good. We had good farm separator does the butter. Now the stands in the stable. Usually. Usually it once a day. Usually the ereem washed Iivered once or twice the cream is demake good butter under conditions such as these"
it was the abuse of the cream separod. Warm weather ts now man objectand in warm weather abuses multiplying word in season to all ereamery patrons would be,-wash the soparator patrons day, cool the cream Immedlately and keep it cold and ship to the ereamery and as frequent intervals as possibte. The cream separator has been a wonderful convenience. Let us not abuse it.-F. E. E.
be done at least once a week if satistactory re sults are to be obtalned.
A point that is often overlooked is the neceseity for having the teat-cups and rubber tubing completely immersed in the chloride of Hime solution; a sufficienthy 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 stieling up out of the solation into the air. We must be careful to see that the solution fills the tubing, and not, as we fint 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 ebould never take place within two hours before milking. The dust ralsed by these operations takes a long time to settle, and if these operations are conducted shortly before milling, a very considerable quantity will of neceesity finid 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 millk is produced the teats and uider of every cow are washed before milling begins. This practice might well be adopted by milling-machine users, as dirt from the teat and udder often gets drawn into the
tubes, and we should avoid this if we pan 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 agaln.

> Cooling of the Milk.

In spite of our best efforts we shell 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 quilikly undone.

At the O. A. C. dairy barn, without adopting any unusual precautions, we have secured milk dafly from a group of 10 to 15 coms, with a bacterial content of from 8,000 to 10,000 per c.c. Ten in the neighbarhood of Woodstock one morning In the neighborhood of Woodstock one morning averaged three and a quarter million bacteria per c.e.; the bacteriat content of hand-drawa milik sent to the same factory that morning was less other evidence in our possession we have come to other evidence in our possession we have come to the conclusion that the quaility of machine milk in Western Ontario can be and must be improved.
To produce clean millk with a milling machine would suppose, but with proper care and at firs: would suppose, but with proper care and attention
to eesential detable it oan be very certainly dona.

## When You Buy a Cow

## Some Exterior Indications of Milk Production

 J. Hugh McKenney, Elgin Co, Ont.IHAVE always banked on the scale and tester as the one reliable means of knowing the individual milking capactty of the tairy herd. It occaslonally happens, however, that I wish to purchase an animal from a nelghbor. Perhaps be has failed to keep any record of pertormance. In such a case one's judgment must be largely based on any indications of millking 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 suspiclous of this kind. If a man thas a good thing the can't help saying so, though in his enthusiasm he may forget to place proper emphasis on some of the weak points.
In looking over a dairy cow, the thought uppermost 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 ts here that the actual making of the millk takes place. Now, 1 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 30 pound cow on test, yet if it does not mik 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, at ought to be carried far forward along the belly and well up behind between the thighs so that a complete half circle is vistble from a stde view.
As the milk secret. od in the udder depends on the blood conveyed thereto by the so-ealled mill veins, one on elther side pf the belly, rising from a hole in the abdominal wall, it te essential that these velns and milk wells be of good size in order that a liberal blood aupply be furnished to the adder. The Source of Production.
Next, I want to
this milkytelding blood back to sts source. By what process is it produced and what indications are there of the
degree of abllity that a cow possesses in per forming this funotion? 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 bo the case, the chest should be deep and the ribs well sprung to insure a large lung capacity. The abdomen should be broader than the chest, and hipe set well apart to provide for eating and digesting large quantities of food. If these two points are satisfactory, the cow in question wilh show a deoidedly wedge-
shaped conformation common to most histh producers. Such animals are Hkely to be veritable machines for manufacturing the food Jaden blood and rushing ${ }^{\text {t }}$ to the secreting thesues 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 millk produced in this stable, that of R. J. Waller, Peterboro Co. Ont, is
retailed in the eity of Peterboro. The stable is therefore visited by the Health Inspector at frequent intervals, who elvees ot his unqualined appros. Notice the
simplicity of the attinge. Lots of whitewash, plenteous lightin
Eood care simplicity of the attings. Lots of whitewash, plent.
nervous temperament, the exact opposite of the placid character of the animal that turns its food into flesh. The nervous disposition one looks for in the good dairy cow shows itself in a bright prominent eye, the broad forehead indicating a large brain room, and, generally speaking, in the loose open character of the carcass as compareit with the closely knit, compact frame of the ideal beef animal.

There are a host of other Hetle 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 welght on them. After all, a strong constltution, large


Uniformity that is the Result of Good Breeding.
Some of these cows, the property of W. F. Bell, Carleton Co., Ont, are pure bred.
Others are Hoistelin grades. He would be a shrewd atockman who could accur Others are Hoostemin grades. He would be a shrewd atockman who could accurately separate the two Just another evtidence of the fact that herda winh
breedy appearanco end goo prodeng ability may be had by any dairy farmer
who will consigtentiy use good bull of one breed.
digestive capasity, and a good udder with secretory powers sufficient to perform its peculiar functions, are the main polnts it look for. Personally, I pay little attention to the diameter of a cow's tall, the square inch area of her escutoheon and similiar details, If bossie passes muster on the three important points mentioned in the foregelng, matters of less import have a way of faMing into line.

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

## How Your Time is Wasted

WITH habor as searce and as high as it is at the present time every effort should be made to use the avallable labor, farm power, and all machinery in the most efflcient possible manner. If 25 per cent. of the seed coza falls 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 groand, prepare the seed bed, plant the corn and cultivate the crop will be wasted. If this is coupled with a deffelency 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 dis times such as these that compel everyone to take an account of stock. Certainly one of the most ineflicient practices on the tarm is the constant cultivation of land that falls to produce its maximum because poor seed is planted or the ground ts sour or water-logged or deffctent 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 gae tractor. I delayed answering until we could determine how it would work on the land in the spring. It has been a poor spring to work the lind, as it never dried out properly, but the tractor proved that it could do the cultivating quicker and better than thorsea 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, ether plowing or cultivathig, especlatly if the land ta tight, as the engine will side-sMp. Our tractor ts an $8-16$ horsepower oil burning, and we find that it has power enough to draw three 10 -inch plows, or a six and a hal foot stiff tooth enlitivator with the harrows behind, where the ground was level, but where there was a hill to elimb the harrows were too much of an over-load for it. A $10-20$ horsepower would work much more satisfactorily where the fand is rolling, because you would have the extra power to carry it over the tough spots.

With the six and a hatf foot cultivator fifteen acres can be cultivated in ten hours whith the elghty-rod rounds, and between four and dive acres plowed.

We find that the coal oil gives perfeot satisfaction in the engine. We have never had to clean ours since we got it, and also the englne runs smoother on the coat oft than on zasoline, and there seems to be as much power in the oll when the engine gets thoroughly warmed up.

It is rather hard to figure the difference between operating it and horses, but taking prices now, cont oll, 20 cents and outs 80 cents, it would cost tor the engine, ofl, 15 gallons per day, $\$ 3.00$; eylinder oil, etc., 50 cents, making a total of $\$ 3.50$. Figuring on a four-hores team, and I doubt if four horses would draw the entitivater, certalnly not

## June 14,

the season
at 80 cents at 80 cents the same We find one gallon and three

W
father and $s$ blazed trail t

The soll near which th are wide stre not have to most blow sar ridges runnin was on one $\alpha$ the Snowden under cultivat tated against attempted to grain as a fncome. Succ come when The firat cow grades. But t system of agr cash crop a on the place as manure. C improved, and aature of the hibit the grow but good profite being grown. is continually
'We started or five years Snowden, Jr. cow's milk nig! at the end of fust what each us. Of course, ing for some ye had judged the appearance and do at the pafl. flgures influence Holsteln, becaus ing of our Holst

A start wi Mr. Snowlen, Nr. Snowden, in registered cattle, sale of $5, \mathrm{H}$. Jo made Just 8,000 She is now (early a day, and she Belleville sale, a more pure bred Ornyalike Pletertz

FARM AND DAIRY
and soll. The main argument for the tractor is, 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 shoylders,

We find that our tractor gives satisfactory power on the beic, and belng 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

WE hear of the majority of puccessful datry men after they 中ave made a name for themselves and have moved on to easy street. Leslie C. Snowden is not of this class. $H_{e}$ is a young man in his early twenties. He assumed the management of the home acres just two years ago. He purchased this 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 repince the good grade herd establishod 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 soll around the Town of Bowmanville, near which the Snowdens live, is vartable. There are wide stretches of excellent loam. One does not have to travel far, however, to find sand, almost blow sand, and occasionally there are gravel ridges running through the fertile sections. It was on one of these gravel ridges that we found the Snowden farm of 130 acres, 100 of which are under cultivation. The chrracter of the soll 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 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 soll will always prohibit the growing of bumper crops, but good proftable crops are already belng grown. And the Holstefn herd is continually increasing.

We started keeping records four or five years ago," explained Mr Snowden, Jr. "We welghed 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 dairying for come years before that, but had fudged the cows on externat appearance and what they seemed to do at the pall. Our first accurate figures influenced us to favor the Holsteln, because of the good showing of our Holstein grades,"

A Start With Pure Breds.
Two years ago last March," said Mr. Snowden, in telling of his experlence with registersed cattle, "we bought our flrst cow at the sale of I. H. Jones on the Kingston road. She made fuet $8,000 \mathrm{tbs}$, of millk in her first period. She is now (early in May) making 40 lbs . of millk a day, and she calved on January 15th. At the Belleville sale, a year ago, we purchased three more pure bred females. The best of the three, Ornysilke Pletertze Korndyke, was freeh a month

Fhen I got her, and in the next ten months she gave $13,000 \mathrm{Jbs}$. 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 pald $\$ 500$ 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 bld in at the Belleville sale this spring for $\$ 305$. She is a half sister of May Echo Sylvta. 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' Dalry 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 milling herd gave evidences of a dally application of curry comb and brush. Corn ensilage, roots and clover hay supply the roughage. Homegrown grains are all fed on the farm and concentrates are purchased in ardditlon.

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


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 fanm. He has built a house for himself on the place, and stil 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 preflict that in time this herd will make a name for itself in Record of Pontormance. This prophecy is based on the excellent foundation that has been laid in the first two years, and the enthuslasm and good judgment displayed by their young owner. I enjoy a visit with an enthuslastic young man quite as well as a visit with a successful older man.-F. E. E.

## Dairy Development

Othe average dairy farm the helfers are bred to fresher when two years old or slightly over; sometimes slightly under. On a few farms here and there no helfers freshen for the first time un til 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 Junior 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
give us summer silage without going to the expense of putting up a summer silo. The crop was short, however, and we filed the silo Just once and will have to depend on pasture this summer." The silo in question is 14 by 32 feet, orect staves on a concrete base, and cost $\$ 130$ to erect, Including the root.

Retiring on the Farm.
I bappened in at the Snowden farm fuat be- ing and care, but the best development good feeding and care, but the best development 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. Banton 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."

## TO SMASH THE HUNS WHEAT IS AS ESSENTIAL AS SHELLS

Canadian farmers who raise more wheat

are fighting the Empire's battles as effeetually 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.

## USE SYDNEY BASIC SLAG

and grow a bumper crop of wheat. Write Us For Our Literature.
The Cross Fertilizer Co. Limited
SYDNEY, Nova Scotia

## Dead easy to clean fan <br>   $=$ =isis VIKING



Horse Fork Haying Outfits Complete
 The Best

## of Everything

Bat haerv manaeblo cart:
 All complete with necessary We have outhts for wood
track, stoel treck or for field track, ste
stacking.
Put up your own outht and
anve blg money. We can ship promptly. Cata-
logue free.

## THE HALLIDAY COMPANY, LIMITED Factory Distributors

## FEEDERS CORNER <br> Conducted by E. S. Arohibald.

Feed for Cow Test.
I expibct my best cow to freahen
June she sthould nake 70 or 80 ith
of milk a dav. heo on tiket. Wey. We are gratry to put
wasture for her and a coserve the best
pole of others pasture for her and a couple of others
aloo on teot. The pasture is good clover.
What grain ration would you edvise in What grain ration would you advise in
addition, all grains and eoncentrates addildon, all grains and eoncentrates
haviog to be purchased at prevaling
There are a number of excellent grain rat'ons which might be auccessfully fed to cows on pasture, and if it is dosired 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, ollcake one part, dry
distiller's grains two parts and cot tonseed meal two parts, will be found satisfactory. Another ration very sue cessfully used by many feeders consists of bran 200, dried distiller's grains 200, oats 125. gluten 125, cotton. seed meal 100 and ollcake 100 . cheaper ration might consist of ground oats 200 , ground corn 100, dried distiller's grains 200, cottonseed meal 100 . Undoubtedly, at the present price of grains and concentrates, sueh rich concentrates as cottonseed meal and dried distiller's grains are the cheapest per pound of proteln, but it is 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 $\mathrm{A}^{\mathrm{T}}{ }^{\mathrm{a}}$ an Insitule heid hare hat winter made by feeding good olfalfa hayld corn
silage and a few roots. He advised feedsilage and a few roots. He advised feed-
tnis absolutely no ifraln, except to very
heary. heavy miking cowa. Was this good ad-
viee? Would fome krown chopped greins bo sufticient for the good milk
era?. Did I think that alfaifa would
eliminate grain prontably, I would make era?. Did I think that alfalfa would
eliminate grain prontably, I would make
a tremendous effort to grow th- Deiry-
man. Welliniton Co ont man. Welliniton Co., Ont.
Whether or not grain can be pro fitably 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 ing a reasonable amount of milk. The food requirements of the cow are twofold, namely-for a bodily maintenance and for milk production. For the pregnant cow there is the third 1100 pound dairy cow requires .533 pounds of digestible protein per day for bodily maintenance. For the production of 30 pounds of milk contain ing 3.5 per cent, butter fat there is re
quired 1.35 pounda of direntible pro quired 1.35 pounds of digestible pro tein, hence there is required for the
1100 pound cow piving 80 pounds of milk at least 1.88 pounds of digestable protein. With the feeds mentioned, protein. With the feeds mentioned, alfalfa hay, 40 pounds of corn ensillage and 20 pounds of mangels. It is quite probable that with the present feed prices, such a ration for the might, under sertain conditions, be might, under certain conditions, be
more proflable than where grain was included. However, the writer would strongly advise that part of the alfalfa hay be replaced with about pour pounds of a meal mixture composed of bran, ground oats, dried dlaaller's grains and cottonseed mixed equal parts. It must be remembered that the alfalia hay contains double the amotint of digestible protein of that contained in mixed timothy and clover hay, and over three times the
amount of that contained in clear amount of that contained in clear
timothy hey. The guality of the
altalks hay also very largely wonld govern the advisability of feeding a greater or less amount of the above
meal mirture. Generally 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 eftort should be put forth to do so.-

Pasture for Work Horses.
Woulad likg some light on handing
our working horase through the su:n-
mer. Whil need them for win remm, will do a litule teoming bork on the ferm, will do a little teaming bealdes, but
there will be daye at a time when they ere not in use. Woald it be well to turn them ch pasture durine the Idle days, or ahould 1 keep them on dry feed,
ways hard and resdy for work?-」.

Whether or not it is advisable to turn the horses on grass during idle days depends largely on the feed whlch they are getting and the amount of work which they are required to do when in harness. Above all, It Is must be made gradually. Hor ${ }^{3}$ during sping on regular hard work ssould be let out on grass only for short time untll they are accustomed to this soft, sucoulent. laxative food. If these horses are to be Idle five days or more it might be advisable to discontinue the hay ration after the fods amount to only one or two days It would certainly be advisable to continue the hay ration and redtace the grain ration not more than one-third. AHhough the writer is stronely of the opinton that all horses are better from having two weelss or more on pas. ture each year, yet he would stronmly advise against the practice of making the horses subsist largely on pasture for the rourhare when on remular Work. If the horses are to be alwavs that the ration should consist largel of dry feed.-E.s.A.

## Millet Seed for Stock

WV HAT is the value of millet seed as ateously. Please make particular men tion of its value for horses.-Subacriber Millet aced can be fed most advantaceously to hogs or lambs, Exper that in hog feeding it could be sue cessfully used, but that it required cessfolly used, but that it required onedith more than elther wheat or gains. Ground millet should never gains. Ground millet should never be fed alone, and is better mixed with
corn or barley or, better, with the rlcher protein meal, such as linseed richer protein mea, such as linseed ollcake or wheat middlings. If fed
in any quantities it tends to produce in any quantities it tends to produce also been used to good adyantare in also been used to good advantage in the feeding of beef cattle, but about six per cent. more of this grain is re
quired than corn in order to produce the same gains. There is to produce the same gafns. There is here also, tendency to produce soft meats.
Millet seed has also been used to ad. Millet seed has also been used to ad vantage in the feeding of lambs. Tt, however, must be crushed and fed in
confunction with some ther confunctlon with some other grain. Under these conditions It has about the same feed value as corn. There 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 ns there is in feeding millet hay is doubt. ul. 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 oals and bran, could not be fed successfully. If there is any appearance of stiffness or awelled joints or any algestive derangement the crushed rilllet seed should immediately be dis-
continued.-E.S.A.

T

When purchaee does not possese purohase or hi necessary to ma the tractor profit doen purchase acres of land per reasonable expec to plow or cultiva longing to his nell When purohas land thet is full is broken up with these stumps and moved, in which o ance.
When purchase land broken up swamps or soft pl

The Oil Gas Tractor---Its Possibilities--Part 2 Some Things to Consider When Purchasing a Tractor

## By Louis Simpson, Ottawa

TDE article published in Farm and drained land), or where the cultivat-
Dairy of May 24 may induce able soll is very shallow some farmer at a future date to the land is very shallow. Also where venture upon the purchase of a farm inelines.
trate very rolling and with steep tractor. For the purchase of a farm inclines.
ant that he should be fully inforned as to the condifions fully inforned When using a farm tractor together,

Advantages That Accrue From Tractor. monetary success, and that all should be warned agcuinat conditions that together spell financtal faithre.
Conditions That Make for Monetary Sucoess.
The plowing and cultivation, especi ally the deep plowing, of large tracts of level land, free from stumpe tracts or stones. This land need not be an When ownership.
When seed land is underdrained.
When such land is laid out in large fields, especially when the flelds are quare or oblong.
When a proper and full complement of agricultural implements is providpower of the tractor so that the full a complement is described later such When the farmer owns on. threshing outft, a small enaila small fit, a grain duaking outht, or a circular eaw outfit to cut up cordwood, all or come 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 outfit necessary to secure the possible fore only such farmers large areas of tind would we farm in making the necessarily constifed able investment, but there is no reas
son why three or four farmers, farm. ing adjolning lands, should not fointly provide required funds or not Jointly use the tractor and machinery for their mutual beneft. machinery for and machinery can be used 24 bours per day, such a combination of the necessary human element would per mit the work boing done during fine Weather withont any cessantion. oper-
ating night and day,
The complete tractor outht is and
follows, with acreage worked in 10 hours:
8.16 ofl gas tractor.

3 14-in. botton gang plow. 8 to 10 acres 28 -ft. double disc harrows .. 88 acres $35-\mathrm{ft}$, tooth harrows
2 grain drills, 8 ft .
27 ft mowers
Reduced coat of plowing and of cul ivalion.
The possibility of using deep plow-
ing and also deep cultivation.
ing of the most arduous form of tarmwork the most arduous form of farm men) by only possible for atrong men) by aged men and very young ing their by women without overtaxThe their strength.
The possibility, when necessary through bad weather, of continuing to night, thereby harvest during the vital operneby assuring the several cessfully carried out by the tarmer being so completed that the farmer is assured of reaping the largeet possible financial return. In fact, the tractor gives such a flexibillty to farm operations that it is now possible to have each of the operations completed at the right time.
To quate: "A tractor gives a man power tho plow deep and to plow quick; frost, bad weather or flepped by hard will run day and night if power that and power in a concentratel necossary, that one man can do as much work as two or more men with much work as bably there fan with horses. Prowhich the tractor has been found more watisfactory, outaide of plowing more lor harveeting. The grain must be than quick when it is fust ripe mast be cuc then about the joust ripe, and it is year. It is a wonderful time of the cut your grain with al satisfaction to ind it does not have to etor, as you eat, or even sleep, as do horses, A ractor saves your grain after you learned. In recent years it has been plowing has the depth and time of the sfize of a kreat deal to do with Lastly, "Most men yleld."
Lastly, "Most men who buy tractors and, after they have them, that they ase 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 to them in doling their work."

Conditions That Spell Financial Failure.
When purohased by a farmer who
does not possese or who is unable to purchase or hire the implements necessary to make the operations of the tractor profitable.
When purchased by a farmer whe 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 to his nelghbors.
When purchased to operste upon is broken up with rocke, stumps, or these stumps and rocks, ete, without moved, in which rocks being first rewill be found to be of great tractor ence. When purchased to operate upon hand broken up with barren places,

## Items of Interest.

According to a report which comes routes in Canada, fincreased in delivery from 614 to 3,586 between 0 in number and March 31, 1917. mall boxes searned. The number of 16,015 to 165,042 . In the sased from 16,085 to 165,042 . In the same period
2,682 new postoffices were opened 2,682 new postoffices were opened.
The York County Holstefn Breed ers' Club will hold their first annual
pienle at Bond Lake Park on Wedne plenle at Bond Lake Park on Wednes-
day, Jone 13. Prof. H. H. Dean of the day, Jone 13. Prof. H, H. Dean of the Ontario Agrioultural College and Mr. W. A. Clemons, secretary of the Canadian Holstefn Association, will give demonstration on points of a dairy cow. A stock weak ing contest for men under 30 years and sports for both men and women will be other features of the outing.

[^1] Better Ensilage at less Cost with The TDRONTO Silo Roof
The comparatively low cost of Silo quickness and ease of erection-and theod staves-the afforded by the new HIP-ROOF-make the TORONTO Hip-Reof Sile less expenaive per ton of sila go than any other standard type. Belng absolutely alr-tight, evea to the doors, and having no tendency to draw the
frost. It makes better ensllage than silos costing far frost, it makes better ensiliage than silos costing far
more, Write for Booklef explaining its advantages. 14

## me TORONTAWINDMILL ;

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themes when water is needed.
Write for our lluatroled Boollet ellling all shout them

Ontario Wind Engine and Pump Co. Limited TORONTO and MONTREAL.
"Metallic" Ceiling and wall plates make very handsome, easily cleaned, fire-retarding interiors.
Splendid for home, church, school, etc. Fix up ons room and see how you
like it. Metallic Roofing Co., Limited - Marufacturers, Toronto

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A FORTUNE IN POULTRY $\mid$ YOUR CHANCE-THE WEST IS CALLING.

$\qquad$


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Homeseekers' Excuraions to Westorn Canada at low fares via Canadian Pacifle each Tuesday unth October 30th, inclusive. Particulars from any Canadian Pacilic Agent or W. B. Howard, Distriet Pascenger Agent, Toronto, Ont.
Please mention Farm and Dairy

## CANADIAN PACIFIC

## Great Lakes <br> Steamship Service Via OWEN SOUND

STEAMSHIP "MANITOBA"
leaves Owen Sound at midnight each THURSDAY (connecting train leaves Toronto $5.25 \mathrm{p} . \mathrm{m}$.) for Sault Ste, Marle, Port Arthur and Fort WIIliam

CRVICE VIA PORT MCNICOLL
COMMENCES JUNE -

## For Winnipeg and Vancouver LEAVE TORONTO $6.40 \mathrm{p} . \mathrm{m}$. DAILY vII "THE PIONEER ROUTE"

[^2]of course the cost of produeing eggs lepends very largely upon the egg yield. During this year, up to the first and which was not in ing I speak of, and which was not in any way pheproducing one the average cost of producing one dozen egge for the
various months was: Januacy 20.6 c dozen: in February, 23.7 c ; in March, dozen; in February, 23.7e; in March, 11c; in April, 13.6c. Our prices for February, 60 c ; Mareh, 50 c . April, 50 c At this rate there was money in, 50 c . At this rate there was money in eggs, high, and though we may have obtained a little higher prices for our egge than most people, still eggs were sold on the Ottawa market at much higher rate than we charged for higher
ours."

## Leeds' County Leads

T County is booming. Walter H Smith, district representatize, writes that an executive meeting of the Lansdowne assoclation was held on April 4th. At this meeting it was decided that the best means of improving the poultry stock of the county was by means of stock inspection. Then a special meuting was called with directors from South Lake, Caintown and Lansdowne prenent, and a prure-bred poultry association formed. 2. embers of this association must first oe 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 aniformly colored eggs. The chiot from the mare pure-bred stock comes from the marketing of poultry. Purebredten poultry of proper utillty type economic rains than and make more The economis than do inferior stock. The economical gain in itself is of considerable advantage, but in the most decided advantage we And a nost decided advantage in having will bring stock, as a uniform pack more per pound on the marke cents a mixed pack of the market than a mixed pack of birds of uniform Some
Some of the ott er advantages of the pure-bred assuciation might noted. The school fairs and fa:
associations have been demauding pure-bred eggs for hatching purposes and live birds for breedtag purposes. The pure-bred poultry association can upply these.

## Wayside Gleanings

## Look Ahead.

WE had the corn ground ready to
be so sed and howed be sowed and horses and men driving? This was the was to do the armairs the other the conditton of almairs the other day on the tarm Aght ahy of the Trill men seemed to aght ahy of the drill when it came to sowing corn, so I had to do the job
Things went wrong in general for the first few rounds. The horses wriggled and twisted and the driver got excited, holding tightly to the 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 When the corn came up. we were sure to recelve jests and possibly sneers about it. A few times across the field made the persplration appear on both horses and driver.. After the first few rounds, however, there came a volce seemingly from somewhere which said "look ahead!" How, signiffeant and full of meaning those words were, for fis soon as they were put into practice the troubles and perspiration "dried up," and the orooks gradually disappeared. Everyone who has performed this duty knows how true it fo that when the wheel mark is watched for some dis. tance ahead it is much easler to keep the rows stralght.
Experience has taught us that thls is as true in other things. When we first got our Ford we bumped into
things until we learneq to "looks The farmer who did not look ahead." The farmer who did not look ahead
far enough to get his manure out in the winter or spring is getting behind the winter or spring is getting behind
with his work about now. The dalryWith his work about now. The dalrymani who has not sown something to supplement the pasiure for the cows will find his milk chegues "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 disappear will have plenty of eull apples and will have plenty of cull apples to go to the cider mill or evaporator next fall.
We could soon ennmerate quite a collection of thinge which are sure to happen if we do not "look ahead," but these will suffice. It must be remembered that the farmer's lot consists for the most part in planning for the future and thus progress is made. It is gratifying to know alao that things run much more smoothly when the driver is "Tooking ahead" and careful, consistent planning of all things is one of the main factors of succers.

## $\stackrel{\text { ners: }}{\mathrm{w}} \mathrm{G}$.

## The

 Burnalde PearlFour femmales
Cavers, Gorden

## The H

H
 the Ayr this year was a adyiton quahl was the bierd fr This herd was lent show fit, ar of individuals til fret place in an Money was no fitting of this ne the other exhl composed of tion easily expl feed and scarolty eat g wontd be the la sized individuals conformatl lecking in devel pal exhibltors we Nefl samgster, dale Farm; f. H. Younle \& Son, Helm \& Sons, Hu ander, St. Irouls Moore, Onmetown town; W, J. So Dlxon, Tatehuret, Inal entries.
e twe outetn the firet and secor

The Ayrshire Classes (Continued from Page 2.) ners: L. J. Tarte, Boucherville, and
W. G. McArthur.
$\qquad$ Ayrshire Awarte-Male. bulls: Glenhurat Male. R. Nosa; ; \%, Brorthide Fannie Sanaler, $B$ don; 4, Hilhurat Perfection, D. T. Nees
 Cavera; i, Hillhurst Eloquence Perplece, Dixon, Grmatown; 6, Chapmanton Ber BurBull. sentor ye.
Mator, Bentor yearling: 1, Burnaide Denty Hancher, D. T. Nossi, 3d Bewood Purple Bill, junior yearilng: enbrain Sir Andrew, Netherall ${ }^{2}$, Auchmark and Holew, Hotheral Counter. Ness; 4, Lord Crotlon, McApthur; B, M. McBull, senior calk: ${ }^{\text {B }}$, Goldpiece Mcurilof Masterpiece. Perrect Pilece and PleceD. TiNess. R. Ness 3, L. J. Tarte; 4,

Bua, funior caif: 1, Ness, 2, Logan
Grand champlon bull: Auchienbrain sir
Andrew, R. R. Ness. Female

> Female Awarde. 1, Lechter
${ }^{\text {Don }}$, 2 , Lowas: 1, Loohtergus Cherry, Gor3. Catlin's Belue, R. R Nen; Ands;
 house Mog and Stonchouse Pand stonedong ${ }^{3}$, Violet sth, Cavers; ${ }^{\text {s. }}$, Lastan- GorMores dordon: 2, Ederling: 1 , stonehouge Noss, 3 , R R R Nessge 4, Cherrybaink Eva. Morton, Mchrthuri 5, Breeburn Pasy, R. Neifier, funlor yearling: 1,2 and $3, \mathbf{R}$. Heifer, , onlor call, 1 and T. Neas. Neas: Meifer, Junior cal: 1 , and it WeA Thurr
 Mature cow, in mink i, C. T. Nesp
Honny, R. R. Nosy, 2. Hobsiand Panton
Condon,
 Mora, D. T. Ness. som, Cavers;. In milk: Map Orange Blonin Woodide May Queal, R R Meas: Stonehouse Pansy, H. Gordon. Ness: Chyers: 2, Eidderly Eipdge Eva, D. T. Nses. Grand 2, Ehamplonship: Cha, D. T. Nses. Greded herds: $R$ Awards.
T. Greded herds: R. R. Ness, Gordon, D. Junior hevers, R. R. Nens, D. T. Ness,
Gordon, Cavers, Iogan. Dour, set of siret R. R. Ness, Gordon, Two, progany of cowt Gordon, StoneNeas, Hobsland: Barbars, Violet; R. R.
Burnalde Pearl 4th Fur females in millk: R. R. Neas,
Cavers, Gordon.

## The Holstein Classes

HOLFTPliNS at Ormstown never the Ayrihires as fully as do thle year was a recond for both guantity and quality. The most notable adxition to black s.nd white strength This herd was frought ont in Farm. lent show fit, and contained a coxplof individuals that misht firet place in any showing in Cansidity for Money was no conelderation in the fitting of this new hend. The in the the other exhlibits how. The most of composed of excellent Individuale were not sufflolently finighed, a condi, tion easlly expintned by himbrid. feed and scarolty of tabor, The prieed eot general orlticlem of all greatwonid be the large number of under sized fndividnats, animals of excellent onformation and good brepiliget int ecking in development pal exhilbitore were:
Nell Sangeter, Ormstown; Raymondale Farm; 贯. H. Crols, Howiok; AlexYounle \& Son, Tullochgorum; ; Alex, Helm \& Sons, Huntingdon; J. J. Alexander, St. Irouls Gonzave; Thomes Moore, Ormstown; Jae. Winter, OrmeKown; W. J. Scott, Tateherest; Jno. dividual entries
the fret and second ing females were the Aret and second milk cowe. Franey
size, an almost perfect place, had good of 29.5 dbs butter at tiree Jeare. Soc ond to ther stood Korndyke Queen De $\mathrm{K} \mathrm{Nl}_{\text {, a }}$ a seven-day record of 35.09 De butter and 718.9 Jbs , of milk, thest day's milk 122.5 lbs . The udder of tmis lat ter cow, however, was somewhat pendulous and she lacked in conformation as compared with her stable mate Nell Sangster also won frequently in the cow classes, and several other exhibitors 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 was Pontiac Korndyke ret Loo, the Raymondale herd sire. This buh is I כw well known as the sire of Het Loo Pietertje, the world's champlon junior two-year-old. Another of his daughters, at two years and 23 deys has made almost 26 lbs. of butof style, quality He is a combination what more could and substance; and what more could be asked? In second place, Alex. Younie \& Son had a deep, good bodied bull, but dacking di with Pondiac Kornce when compared gus MeNaughton ryought 100 . Angus MoNaugnton mought out a niceover aportioned wo-year-old that won Hillside Sam Bonerges, principally en the greater indications, prolpaily on W. J. Scott was fint with both room. and funior yearlings, Rermend with sentor calt, and Winter with funior cailf.

Mature balls: 1 Pards, Male
Zoo, Ragmond; 9 Younie; 8, King Segis Ruby Walker, Brave Byy, under 3: 1, Gar Fafort: Brave Boy, Angus MoNaughtas Faior
side Sam Billside Sam Bonerses, Sancrt 1, WInter; Flill senior yearling: trs. Mutual Friend De Kol, Seott; $\begin{aligned} & \text { Bull, junlor yearline: } \\ & \text { ander }\end{aligned}$, 2, Alex3. J. Grali, aenior calf: 1 and 2, Raymond; R. Buil, Junior caif: 1, Winter: 2, Thomas Ruthertard, Ormatown; 3, Moore; 4, Arch. MoNell. Ormstown
Bull, krand champlion: Pontine Korn-
dyke Het Ioo. Bull, Junlor champlon: Raymond with

Female Awards.
Dry Cows: 1, Lena of Pleasant Valley, Helm; 2, Craig: 4, Lulu Cornucopla Kol, Younie; ह, Queen of the Kalmars,
Helm. Dry cow, 2 yrs. and under 3: 1 and
 De Kol, Fraymond; 2 , 4 and $5:$ : Lady choda, Wimma of Pleneant Valiey and Sen or yearing helfer: Pontiae Calam3, Aleaunder; 4 and 5, Hele Segia, Cralg: Helfer, Junior and y, Hearing: 1 and 2, Raymondale Abbekerk and Princeas Aicar Rhodn's Queen May, Sangster, Cralg; 4, Helfer, Benior calt: 1 and 2, Raymond: Junlor calf: 1, Alexander; 2 and 3, Ray mond; 4, Oralg.
Bell Wayne aw, in milks 1 and 2, Fran dy Raymond: s, W J. Scott Queen De Kol, De Kot , Alexander. Cow, in milk, 3 yra.: ${ }^{1}$, De Kol Pluy of Pine Dale. Winter; ${ }^{2}$, Princess Lady Betty Cows, 2 yra., under 3 , in milk. Pay. mondale Gelalke, Raymind: 2, 8tka andor. Beets, Craig; 3, Helm; 4, Alox-
Female champlon: Francy Bell Wayne. Group Awards.
Graded herd: 1, Raymond; 2, Alexander. Ir, get of sire: Sangater, Raymond, Four anlmals in milk:

Raymond, Alex-
Foung herd: Raymond, Alexander. xhibltor: 1, Raymond: 2, Alexander by Helm.

Jerseys at Ormstown
 ne Jerney judging at Ormstown partook of the nature of an interprovincial competition, the prinelpal exhlbitors belng B. H. Bull Son, of Brampton, Ont., and Ruiter Bros., of Cowassville, Que. The first
named herd is one of the best known

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profit by their experience.
Ask for catalogue, prices and complete information. Made semi-portable or portabie sityleach furnished in stationary,
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ABSOREINE Will reduce Ifflamed, Strained, Swollen Tendons, Ligaments, Muscles or Bruises. Stops the lameness and pain from a Splint, Side Bone or Bone Spavin. No blister, no hair gone. Horse can be used, $\$ 2$ a botte delivered. Describe your case for special inatructions nd Book 2 K ree
ABSORBIME, JR., the antiseptic liniment for


on the continent; the latter has been Sam, Boll: 2 and 4 , Ruiter: 3 , Bull very successful at Quebec fains. The Brampton herd was well represented, though, of course, many of their best animals are timed for Toronto Exhlbition. The strength of the Ruiter herd was a surprise to all, and the
money was falrly well divided all the way through. Both championships, however, remained with the Brampton herd.
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-yean old with depth, strength and charaeter, and he was rather an easy cham-
pion. Another very nice animal was pron. Another very nice animal was
the flrst senior bull calf. Some of the the first senior bull calf. Some of the
cow classes presented many difticulcow classes presented many ditficul-
ties to the judge, owing to the diversity of type between the two herds. Of the champlonship, however, there ton Maitland B., a dry cow that gave ton Maithand ., a dry cow that gave all indications of being a great Jersey full follow

## 

 pull Brampton Brisht

Sam,
Rutinio
Bull,
plon: Brampton Radiaton
Mature Female Awarde
Brampton cow, in milks, $1,{ }^{2}$ and Kathleen of Roalth Park, Bull; 3, Pollette Cow, 3 yra, , int miks: 1,3 and 4, Hilde
Rasilin
Parke of Raslin Parth, Brampton Canniry and
Missie. Bull: ${ }_{2}$, Ghoat of Pinohurat, Ruiter. Buil: 2, Ghoot of Pinehurat, bee of Pinehuret and Pangy sod of Pine-
 3 , Belle of Pinehurat, Ralter Erica, Bull:
 K 2nd Doull In this clianis many would
have revered the decion. The socond cow was a very beedy looking helfer
with a very shapely udder, but was critl. with a very shapely udder, but was cnitl-
elzed as being a butilo too mature to al-
low of further developunent Yearlling theiter:
Ruilter


Helfer, senior calf: 1 and 3, Bull: 2 3. Heler, Huntor cak: 1, Rulter; 2 and Femafo chamption: Brampton Maittand
aroup Awards.
Graded herds: 1 and 4, Bull: 2 and Rouns herd: 1, Rulter: 2 and 3, Bull Cet of sire: 1 and 2. Ruiter.
Produce of cow: 1 and 2 Rut

## Ontario Plans Improved Highways

Takes Newspaper Representatives on Trip of Inspection-More Centralization Contemplated-Many Types of Roads lispected
$T \begin{gathered}\text { HE provincial government has an } \\ \text { ambitlous polley regarding fut- } \\ \text { ure road construction in }\end{gathered}$ tario. The Minister of Highways tario. The Minister of Highways,
Hon. Findley MeDiarmid, and the Deputy Minister, W. A. MeLean, out lined this policy to representatives of the press last week during a tour of inspectior-by automoblle over several present the policy in one of maintenpresent the pothcy in one of mainter-
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. gin an extensive system of improve-
ment all over the country as soon as mem war is over. The policy is one of
the win cooperation and tis success depends cooperation and its anuccess depends
upon this. It is modelled after a sys. upon this. It is modelled sfter a sys. cessful in France.

The plans of the government, as outlined to the newspaper men, are as follows: The government wishes to cooperate with the county councll and
make county roads out of the prinelmake county roads out of the princl-
pal thoroughfares in the county. This pal thoroughares in the county. This
means that the county councll will take over and improve certaln maln roads In the county deslenated by the county and subject to the approval of the government. These roads are classified as primary or secondary, according to the amount of traffic pass. ing over them. The ald given is as struction and 20 per cent. towards
per maintenance of primary county ronds, and 40 per cent towaras construction of the secondary county roads. Dur. of the gecondary county roads. Dur-
Ing the last 10 years about $\$ 10,000,000$ has been spent on these county roads by the government and the county councll. The policy is one of centralization, a gradual taking over by the county of the township roads, and these, in turn, alded by the govern-
ment, and possibly taken over. Thus ment, and possibly taken over. Thus
the central authority would be the the central authority would be the
government. The county authority wonld 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
sald, has worked out satisfactorily While this is true, it is likely to be
some time before our Ontarlo farmers will be willing to give over fully the means that they mail roads if it trol of the tax rate as well. lose conRoads Inspected.
ate 12 newzpaper men, representy of the farm papers of the provinonting cluding an editor of Farm and Dairy, as well as representatives of some of the city dalles, assombled at the Parliament Buildings, Toronto, and procoeded on a tour, headed by the Deputy Minister, W. A. MoLean, and Finley MoDiarmid the Minister, Hon. travel over some of the improved to county roads and to compare these with certain township roads. The ronte was planned accordingly. The party first travelled north to Barrie, in simcoe county. Both these counin simooe county. Both these coun-
ties have improved roads. There a detour was made southwest to Alls. don, where the warden, Mr. Horrell, and wheme of his colleagues were met. The pollicy of the Simene councll and their past experiences along road. mnking lines was explained. From Al. he party travelled southwest to in Dufferin county, and Orangeville. This was the y inas not yet taken advantape of the proffered government ald. Immediately Orangeville was passed the roads improved and continued good all through
Wentworth and Waterloo counties At Guelph the warden Mr Dicles.
At Guelph the Warden Mr. Dickson, and other officials were met in the proceeded via Pualinch, Galt, Kitchener and Shakespeare into Oxford county. At Woodstock a pause was made for lunch, and later the warden of Oxford county met the visitors. From Woodstock the route continued throumh Brantford and stopped at Hamilton. In the evening, after din ner, the party returned over the To-
ronto-Hamilton highway to On this tour good and bad roads ands tour good and bad roads were een. The weather was rainy, and uring the various types of road, and was fully demonstrated. Outside of sald, has worked out satisfactorily. 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 improved county roads, but it converted the mud township roads into veritable bogs.

Objects of the Inspection.
Briefly, the object of the inspection was to (1) compare county and towntypes roads; (2) to study the different culverts: (3) to fiso the bridges and 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 it agricultural possibilities.
The county roads, without excep tion, were good. Those that had been taken over some time ago were bet cer than some of those taken over re centry. Many counties took over some strecches of road last year. These inve not been improved much due to township rosde and the small town rands were in a poor state of repair. In ondinary dry weather the township roadd would be goite passable, but heavy rains before and during our trip lert them in poor shape. Continued heary rainfall is the acld tost of good road. The township roads are, however, being improved. The township councillors are imitating the county counclis and spreading a good deal of gravel in their repair work, rerts. Statute labor is not satisfac tory. It will wiely be cliscarded 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 constructed at a cost of $\$ 6,700$ a mille. The cost of upkeep is about $\$ 100$ per mile per year. This is a very good road. The tar is used to fill the voids instead of fine gravel and stone. Thus it cannot be blown out by heary tratfic. Some broken stone road was enahip roads. It is a step in advance over the mud road. For farm traffic it is good. it is, however, pretty hard on sutomobiles, many of which are now owned by farmers. Gravel roads seem to be the most popular, when underiald with a good bed One very good gravel road, from Tavistock to Woodstock, Was in a fine state of repair after ten years' service. The cost of upkeep was very low. Gravel ronds coat from $\$ 8,500$ to $\$ 3,500$ ronds coat from $\$ 2,500$ to $\$ 3,500$ a
mille. They are serviceable, easy to freep up, and the material, in many keep up, and the material, in
sections, is easily obtainable.
The concrete road was investigated. Unquestionably it was the best road paseed over in the whole tour. The Toronto-Hamilton Highway is a good xample of this type. First cost for concrete is very high, and it is doubtful if many miles of it will be confic and frost will crack it, and after a few yeare of service the upkeep will be high.
One very desirable thing I noticed was the large number of permanent oridges and culverts that have been erected in countles that have taken advantage of the government ald. Steel-framed bridges with reinforced concrete floors were very prevalent in Simcoe, Wellington, Waterloo and other countles. This permanency cannot be too strongly commended. Concrete is displacing steel wherever it can posslbly be used. The narrower creeks. are belng spanned by all-concrete bridges.

Maintenance and Repair.
The county councils are epending most of thetr money on maintenance rather than construction. All of the improved roads were well cared for, considering the scarclty of labor. The split-log drag is used to good advantage in many sections. One problem (Continued on page 20.)

THE C.P TWENTY

An immense low prices ar low prices ar
from $\$ 11$ to $8:$ ample rainfall s50. One-te
you wish wit you wish wit
certain areas, settlement cor districts, loan up to $\$ 2000$, a! years-interes farm holding land, or to neighbors. ticulars appiy General supe partment of

## FARM AND DAIRY

## Conditions Prevailing in Northern Ontario

 By T. G. Raynor, Seed Division, Ottawa.FILL YOUR SILO -and a wonderful, light Cunning Gilson Blower engine and our small cutter will make an ideal individual outfit.
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hignest prices for your wool and you can make the middleman's profts yourself. We are now paying the following prices for goods freight charges (it emounts to about $1 / \mathrm{ce}$ per lb .) and deducuts same ${ }^{\text {an }}$
from your remitance Wool (washed) Wool (washed).
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Horsehides
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d). 12 to 16 c per 1 b .
+6. 50 to 8.50 each.
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THE C. P. R. GIVES YOU TWENTY. YEARS TO PAY
An immense area of the most fertile land in Wentern Canada for sale at from $\$ 11$ to $\$ 30$ for farms ranging from $\$ 11$ to 830 for farm lands with $\$ 50$. One-tenth down, balance if you wish within tweety yearn. In certain areas, land for sale without settlement conditions. In Irrigration districts, loan for farm buildings, ete up to $\$ 2000$, also repayable in twenty years-interest only 6 per cent. Here Is your opportunity to increase your farm holdinge by getting adjoining land, or to secure your friends as aeighbors. For literature and particulars apply to Allan Cameron, Oeneral Euperintendent of Lands, Department of Natural Resources,
irat Street East, Caigary, Alta,

S

 Ontario, or that part of Ontario dead-looking seed north and west of North Bay. It was ingly late, with season was correspond inspiring to find the motto, "Business and west. With the excepton beth east as usual," in full operatlon, notwith. Temiskaming district, however, the boosting prices. Perhaps this is hav- of the was pretty well in by the end ing an exhilarating effect and keeping condition, ws the soil was generall the spirit of the producers hopeful. dry, and worked up into a generally upon the man whid come hardest bed. capital and no who has but limited capital and no earning power, and upon men on salary where it is so
fixed that there a raise.
The fairly good crop of potatoes
whleh was obtained in which was obtained in many parts of
Northern Ontario was Northern Ontario was a great boon to the farmers last autumn, and a still
greater one to those greater one to those who could store this spring. A price of the market was freely paid in the field last fall, but this spring they sold for as high as $\$ 3.25 \mathrm{a}$ bag in car load lots. Some District Representative of the Ontario Dept. of Agriculture, was located at
Fort Willam, the cites Fort William, the chlies of Port Arthur and Fort William were importing potatoes. Last year, besides supplying local needs, a good many car loads were shlpped 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 repre sentatives in the persons of Messrs. Collins and Davies were able to give the farmers of the Thunder Bay District; and it was worth whlle.

Potatoes of Good Quality.
there on suitable soil, and is of goon quality. This is also true of good soils in the Rainy River, the Kenors and the Temiskaming districts, where several carlonds of potatoes were
shipped out during the It will pay many Old Ontario farmers to look for thelr supply of seed potatoes from these regions. It will mean increased yjelds and earlier matured stock. I believe that this idea is worth considering by the farmers: worth considering by
clubs of Old Ontario.
Generally speaking, the seed supply seemed to be adequate for the farmers needs, except in seed oats, for
which there was a good demand wome localities the good demand. In handicapped in that they lacked the handicapped in that they lacked the this year. They were afrald to pledge they might not be able to make gear this autumn. The quality of the clover and grass seed generally used, as found in the hands of the dealers, as found in the hands of the dealers,
was No. 1. In some places the very 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 aced in such quantity that carloads
are being shipsed from the Temiskamare being shipsed from the Temiskam-
Ing and Kenora districts, This is ing and Kenora districts. This is
chiefly ted olover and alsike and mix. chiefly ted olover and alsike and mix-
tures of these seeds with more or less 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 Itas when the seeds are offered separately. Considerable red clover seed was produced in the Thunder Bay trict last summer, one or two men
having a ton of seed for sale having a ton of seed for sale. This is
becoming another profitable source of becoming another proftable source of tario. The purity of this seed ranks high but the general quallty is more or dess affeeted by the climate In that

A very heavy fall of snow about
Easter time in the Temiskiming disEaster time in the Temiskiming dis-
trict, along with the cold, backward state, so that seeding is generally delayed from New Liskeard to Hearst Ice and snow were leaving the north country rather reluctantly this
sond this in some measure counts for the cold, backward condi
tion which prevails all over Canal tion which prevails all over Canada.
With the advent of warmer weather in the near future there should be good prospects for the crops, even It is quite evide.
dorance of evident that the prepondorance of settlers taking up land along the T.N.O. and the National
Transcontinental lines are French. Transcontinental lines are French. the boys and girls now golng 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-Cana-
dian boy and girl to secure a good English nducation, which ds their right and privilege.
I belleve that unless weather cond tions are very bad that Northern Ontario wilh give a good account of her
self along agricultural lines this year

The Modern Gas Tractor.

667 C CE Modern Gas Tractor, It tion and Repair" cal treatise and Repair," is a pract or W. Page, who is now on by Vic foremost American writers on of the jects in connection with the gasolline engine, His latest work revised and oniarged, covers every branch of up. o-date gas tractor engineering, drivIng and maintenance in an untechnier manner. The farmer tractor ownof this is willing to study the pages of this work along with its hundreds of diagrams and illustrations, will be siven a full understanding of the inand anatomy of the modern tractor and just how and what to do when accidents or stoppages oceur. It conalders fully all types of power plants, mechanisms, describes desisn and construction of all parts, their installation and adjustment, as well as the praetical operation of tractors in the field. 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 Saskatchewan Grain Growers' Assoclation 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 prasence of the male production of a maximential to the gegs. This assnmption number of proven, Thime assumption has been provelately without foundation, to


## A Contented Cow

 A Profitable Cow$A^{\mathrm{RE} \text { your cons sonemened? }}$ Are they profitable? If not, make them so by doving away
with your old-time wooden stalls. They gather dirt, harbour diseas. germs, and prevent the free circulation of life-giving air and sunlight. LOUDEN'S Tubular Steel Stable Equipment
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GREAT LAKES STEAMSHIP SERVICE.
The Canadian Pectic Rallway will, commencing saturday, June 2nd, optrains between Toronto and Port Mess Nicoll on the following echedule with finst-class coach and parlor car, with ning through without local car, runNorthbound stops.
Northbound.
Port MeNicoll $5.15{ }^{2.00}$ p.m. each arrive nesday and Saturday, connecting Wedthe pafatial C.P.R. Great Lake Steam ships leaving Port McNicoll on above days at 5.45 p.m. for Sault Ste. Marle, Port Arthur and Fort Whliam.

Southbound.
Leave Port MeNlcoll Mondays and Fridays $8.30 \mathrm{a} . \mathrm{m}$., arriving Toronto $11.45 \mathrm{a} . \mathrm{m}$.
Great Lakes Sarvice via Owen "Manitohe" now jn operation Steamship midnight each Thaving Owen Sound at Ste. Marie, Port Arthur and Fort wh liam. Full partioulars from any W. R. Agent or W. B. Howard, Diatrict Passenger Agent, Toronta Ont
clusively 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

THE silo manufacturers of Canada are rushed with orders. The greater part of these orders come from men who are bullding their first silo. "It is really astoniehing, though," writes an extensive manufacturer, "what a large proportion of our correspondents tell us that one silo has proven so valuable that they have decidea 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 sllage for summer feeding is be coming more generally appreciated and corn is becoming a greater winter mainstay than it once was. The Central Expertmental Farm at Ottawa have this winter come to-appreciate fully still another advantage of lots of silo 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 fhere was sillo 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 sllage was not touched until the early weeks of April, 1917. There will be no scarcity of corn ensllage at Ottawa this year. A second silo may seem expensive, but if cost is figured againat storage eapacity it will bo found that thits is the most economical methon of carrying surplus roughage for future use. If the corn aereage and prospects fustify it, by all means erect a second sill. Many who have two are now erecting three.

## Why We Urge Production

THE following extract from a letter received by Farm and Datry a few days ago explains itself:
T 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 ery. 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 out."

Farm and Dairy can quite understand the attbtude of the farmer toward the rivers of advice that he has been recelving 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 betore us a clear conception of the great need for food, that we may leave no stone unturned to keep production at a maxdmum. 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 humantarian 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 campalgn. The quotation from the letter of our trate subscriber, however, should serve as a warning to many meddlesome organlattions to keep their hands, and likewise thetr tongues, off the farmers' buniness, unteas they Arst make themselves more fally aoquainted with the real needs of the hour.

## Labor for the Farm

WHiLw it is true that many eity onganizations have proven more meddlesome than usetul in the production campaign, this does not apply to all, and farmers should investigate very closely the motives of our city friende before we condemn their work. The War Production Club of Toronto has, so far this year, placed almost four hundred 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 haying 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 suoh 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 tn applytng thls elty labor to the extraordinary demands of the farm is that, through many years of labor seareity, 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 bas 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, elty production clubs require in advance a defnite idea of how many men will be needed and where. It this advance information is given, our city friends are confident of thelr ebility to meet the demand.

## The Hydro-Electric Purchase

Public ownership in Cntario has achieved a notable advance in the purchase by the Hydro-Electrle Commission of extensive water rights at Niagara Falls. Heretotore the Commission has acted only as a middleman, diatributing Nlagara power to municipalities and corporations. It will now develop and diatribute its own power. The purchnse 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 olntment." of the millions of dollars pald over by the people of ontario for their new property, at least seventy-five per cent. of the purchase price is for the water rights and not twentyifive per cent. for improve ments. In other words, Ontario has been forced to pay milllons of dollars to buy back one of its natural resources that, under a wise and far sighted policy, would never have been surrendered to at private corporation. It is now to late to lament over the loss of these millions, but the transaction should carry with it a lesson tor the future. There are many undeveloped power posstbllutien in Canada that have not yet beem exploited. Phese 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-nine year leases are too long to be tolerated. Let us recognize that the water powers of the country should be an fnattemable right of the pubtle.

Cheese prices have been fixed for the season. While not as hbgh as farmers were antiolpating, they are such as to suarantee a ressonable 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 viclestitudes of the chease market. For the dealers it means close figuring and competition may become so heeen that country buyens will be done awwy with altogether and ebeese be shlipped direct to Montreal

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has gone es satisfactory for some tis of cheese in on the new in the Hous This was fo ment of the the purohase draited by tl
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lo At the oheese price ruled at fr $2015-16 \mathrm{cts}$ a tb ing been paid at promises to be ever betore. ever betore. It
case, it should $h$ stimulating impr ity of our aheewe has decided that oe as follows: $2,21 \mathrm{~K}$ ctame, $\mathrm{a} \mathrm{ib}_{\mathrm{a}}$, a 2, $21 \times$ cts, a $\mathrm{Mb}^{2}$, a
cts, a 1 b . Culls the Cormmission, will be on the $m$ Graders have bee Commiasion, who grade according t of aheese purchas In the peast boye habit, on a riaing cept under other price has now been it means that thi practically ellimina cheese win be grad
the buyers. Make in the habit of taki dor to wis patrons have bedd to torn heene, the than

## The Government Announces the Price Set for Cheese

## The Season's Price Set at 214 cents a Pound at Montreal - -Purchases Now

 Rules Announced by the Commision Strict--TheTHW Government's announcement by the Commision
of the price to be pald this sea- bount of to get by the buyers on acpublieation of rules as well as the a great riblk if they try tons, will run ed tose Commiasion, that are intend practice this season. Thus, the effeen ed to govern the purchase of cheese, difkely to mean cheese at Montreal is has gone far to clear up the very un- only to mean that the cheese will not for some tituation that has exieted factore graded more sharply at the of cheese time in regard to the buying haveres, but that the makers will on the - in Canada. The first liont moply me erading their mlitis on the new conditions was given by mopply more sharply.
in the House of Cll in a speech made
This was followed by the last weelk. ment of the rules witich will the punchase of cheese that will govern drafted by the cheese come have been which were read on commission and boards of the country various oheese this the Montreal exporters Following ditional Mont concerning cers gave addetails on some cheerning certain other theilr buyers. Since then bords through commiesion has visited the the cheese cheese board and thus the Brockville factory mond and thus met with the
mbillo there some points on While there are still whin seek for further Hight, the dairymen eituation now is about ast, the gener The British Board af follows:
with the approval of of Trade, acting ernment, has estaple the British Govoond whifoh cheese must a price bein Great Britain. Tuis price has beeld set at 28 cte a a ib , Wholesale and 39 cts. at lb. retail. Wh. Whee the and 32 Government set this price, the British Commiselont set this price, the Cheese deal with the whituation in Cappointed to tabllished the sitce to to in Canada, esada at $21 \%$ cts. a to be pald in CanaMontreal, for all a Mb., Lab. steamer, as finest. As the freight will grade ase from country freight and cart age from country points into Monsuech as packing in -other charges, the British Board ments and all Montreal after thenses incurred at cheese, and putting the chenal of the steemer, must be deducted fine on the price, as well as the exporter's this fit, the price in the country will proshough lower to cover thery will rule At the cheese toonrdis that woelc the price culed at from about woek the $2015-16 \mathrm{cts}$. a th b , this latter price thay. ing been pald at Madoe.

## Grading will Be strict.

One effect of the new conditione promises to be that cheese will be graded more atrictly this year than ever botore. If this proves to be the stimentating tmprove a good effeet in ity of our aheeresement in the qualthas decided that The Themmission be as follows: f.o.b. steamer, Grade No. $1,21 \%$ ets., e, 214. etamer, Montreal; Grade No. eta. a 1 b . Culls and Grade No. 3, $20 \%$ the Commission, but be accepted by will be on the merits the price paid Graders on thave merits of the oheese. Commiastion, who will inted by the grade according to will inspect and of obeose purehate quallty, Every lot sion that goess to for the CommisIn the part boy Montreal.
habit, on a rest buyers have been in the maint, on a rising market, of accepting cept under other condiw would not aco price hine now been conditions. As the it means that been eet for the season, praetleally ollminat practice will be choese will be errated and that all the boyera Makers very sharpty by in the habit of takers who have been boer to wis patrons ang poor milk in or factorles, wis patrons away trom other have bed to who, in consequence, sheese, which they have freguently

Effect on Home Trade.
The effect of the new conditions on mined. There is a conelder deterference in the quelity of cheere le ditor British consumption and that Which trequently finds faror on the Canadian market. Canadian buyera are not as discerning in the matter of quality as are many British consumere. The result is akely to be that quite a little of the second grade oheose will be bought for Canndian will not pan. Canadian consumera price not pay more than the British price unless iomething unforseen hap. pens, but may purchnese coneiderable procond grade cheese at provalifing prices.
Farm Figures of Expense. eccure as Dairy has not been able to the difference in price detalls of how 28 cts. a 1 ll . whilch the Britien whole $21)^{2}$ is altowed to charge and the $1^{1}$ its. cts. that will be paid for Canadian cheese on bourd elnp at Montreal, is made up. The fligures have all been Worked out carefouly by the Commil. sion, however, and we fiope to be able to make them pubtic shortly. Dairy Commissioner J. A. Ruddick advises us that those who are famillar with this phase of the business, state that there is very tittle margin left for those who handle the cheese on the other slde. Thls may readily, be as fact the be the case in view of the lact that ondinary freight is about 5 per cente a pound, war risk is about are charges in addition to whlch there wharfarge switor marine wish there wharfage, awitctilng and other similar work, to say notbing of a margin of proft to the man who handles the been eet From the prices that have oeen get in Great Britain, it is evident that Britioh retailers are allowed four conts to cover their cost for handling and proftu.
In Canada the difference between ohe price that will be pald on the the eheose by and the price paid for The cheese-by the Commission at petition between Canalated by the com. the otheose. the ohease. It is altogether likely fual price competition will ensure a In price being paid to the producer. In next weak's issue of Farm and Dairy we hope to be abte to give furcidentally it mi on the situation. Incidentally it migbt be noted that according to Hon. Martin Burrell, the will average aboun set for thils season more average about two cents a pound tory than the avernge price paid factory men hast year. A portion of Hon. Mr. Burrellis addrees on the this isgue.

The Commission's Rules.
The following are some of the rules thet bave been announced by the Cheese Commisslon:
No eheese will be accepted under den cayy old.
payment will be made in emeld for ahipping documents acopmpange with Invoices, Grader's and Publied
Wetebmanter's Certificates all (Concluded on page 20.)

## Don't put off this silo question any longer

## It's too important.

Letting thlugs go untll the last minute ts a hablt cause things that are put off elther bad hablt, beat all or if done cost more off elther never get dons
 The wise man his souldings and other equip plans ahead of time. He always has them, and he never has to worry ready before he actually needs at the last minute to get things done.

There can be no question as to whi

## Lay your plans now for an IDEAL GREEN FEED SILO

It Order it and put it up now, while you have plenty of time to get It will mean $25 \%$ more milk in It will enable you to keep more cows on the or $20 \%$ less expense. maintain the fertility of youre farms on the same acreage and so
green feed for your green feed for your cows when pastures fall in summer problem of
Whether you have many pastures fall in summer.
profit, and the best silage is produced in an Iood silage means more
Write to day for our targe illustrated silo catatoen Feed Silo.

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Meal offering at present
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gies, waggons, implements groceries, root seeds, bugPrices given on application.

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

## Winning the Wilderness

$6 T^{1}$HAT sounds surprising, but Aife and left me, threatening to come back is full of surpnises," the doc- and finish me. That's what you saved tor thought as he took up his medicine case and followed Rosie's lead.
The way took them to the alley behind the Wyker House, through a rear gate to the back door of the kitchen, from which it was a short step to the little "blind tiger" beyond the dining room. Sounds of boisterous talking and laughter and a general shuffing of dishes told that the even-
ing meat was beginning, For her size ing meal was beginning. For her size and clumsiness, Rosie Whisked the doctor deftly out of sight and joinedithe ranks
The only light inside the little room came from the upper half of the one window looking toward the alley. As was already twinght the doctor did on the floor near the lable made an on the floor
"What's the trouble here?" Carey asked in the sympathetic professional voice by which he controlled sick rooms.

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 was almost too weak to stand. can. Doc," he sald 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 urged, rushing back to the kitchen.
Carey moved quickly and had Dartey Champers safely out and into his own office before Rosie had need to relax her grip on the dining room door-knob.
"I guess you've saved me," Champers said faintly as the doctor examined his wounds.
"Not as bad as that," Dr. Carey repllied cheerfully. "An ugly scalp 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 blow!"
"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 happen?"
"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 I'd fust got back from Ohio and a thing or two I saw there. Then he suddenly belted me and, against all rules of belted me and, against all rules of
the game, kicked me when I was down

## "By the way, Champers, I saw yo

 at Cloverdale, Ohio, last week."Champers did not start nor seem surprised as he replled:
"Yes, I seen you, but I didn't want to speak to nobody right then."
"No. I've got hold enough of Smith now to make him afraid of me if I'd turn loose. I'd a made money by That's why he's gettin' good and drunk to beat me up again to-night, drunke."
"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'Il let Smith I'm a humane man, and I'll let Smith run till his tether snaps and he falls for hisself. Besides I'm not sure now whether he's a agent representin' some principal, or the principal representin' hisself. And in tiat case I'd have to deal the cards different
him, and them he'd do harm to."
"You are a humane man, Champers," Carey declared. "I think I've hated you, too, a good many years. These gray hairs of ours ought to make 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 of power on public sentiment out here.
He'tl clear it out. His hatred of He't clear it out. His hatred of
saloons is Ilke Smith's hatred of Shirsaloons is like Smith's hatred of Shir-
ley, only it's a righteous indignation. ley, only it's a righteous indignation.
I've heard John's father was a drunkI've heard John's father was a drunk-
ard 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 be doesn't."
Darley Champers slowly shifted his
huge frame into an easier posture as huge frame into an easler posture as 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 jsn't. I wouldn't start him afDarley Cham

Dariey Champers spent two weeks with his physician, and the many agreed with Tr. Carey smiled and agreed
clared:
"Carey would win Satan to be his fast friend if the Old Scratch would last friend if the Old Scratch would Buly let Carey doctor him once,
But nobody understood how the Darley Champers and his determinaDarley Champers and his determinawinning the doctor fo bim 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 prove,
Heart of my heart, let us talk of Love. -The Ballad of the King's Jest

THE summer ran its hot length of days, but it was a gay season
for the second generation in the Grass River Valley Nor drouth nor heat can much annoy when the heart beats young. September would see the frst scattering of the happy company or the winter. The last grand rally for the crowd came late in August. Two hayrack loads of young folks, with some few in carriages, were to spend the day at "The Cottonwoods," a faraway pienic ground toward the three headlands of the southwest. Few of the company had ever visited the place. Distances are decelving on the prairles and better pienic grounds lay nearer to Grass River.
On the afternoon before the plicnic Leigh Shirley took her work to the lawn behind the house.
What most ranches gave over to weed patches, or hog lots, or dumping groands along the stream, at Cloverdale had become a shady, clo-ver-sodded lawn sloping down to the river's edge. The biggest cottoley grew on this lawn. A heige of lliae and other shrubbery bordered by sunflowers and hollyhocks bounded It from the fields and trellites of white honey suckle screened it fiom he road. In a rustic seat overtooking the In, a rustic seat o7eriooking the Shirley bent lovingly above a square of heavy white paper on which she was sketching a group of sunfowers wlowing in the afternoon sunlight. Leigh's talent was only an undevelLeigh's talent was only in it lacked oped inheritance, traing ft's fresh originallty was unspoiled.
"The top of the afterncon to you." Loigh turned to see Thaine Aydelot looking down at her az he leaned over the high back of the rus' $e$ seat. He was in his working clothes with his straw hat set back, showing his brown face. His laminous dark eyes were shining and a helf-teasing, halfsympathetic smile was on his lips. But whatever the clothes, there was always something of th., Sou'harn gentleman about every man of the Thaine blood. Something of the soldierly bearing of his father had been hls heritage ilkewise.
"May I see your stuff, or is it not for the profane eyes of a thresher of alfalfa to look upon?"
Lelgh drew back and held up her drawing-board.
"It's just like you, Lelgh. You al ways were an artist, but when did you learn all the technique? is that what learn all the technique? call it? How do you do it ${ }^{\prime \prime \prime}$ "I don't know," Lelgh answered frankly. "It seems to do itself,"
"And why do you do it? Or why
(Continued on page 16.)
"As we beman for our return to one serlous diffle eldent son could world alone, but of 16, it wan I calle guandian shor whom I thourht w to reative

## THE UPWARD LOOK

## The Power of Prayer

${ }^{6} 0$
 the afternoon Ho Tas'un late in atay there over night and expecting longer; but when wight and prabably found the Christian whom we we ant to arrange for our whom we had ed to
$W_{0}$ get a place for us to had fail. We were in serious us to stay in would be almost tmpons difficulty, as it the fourney to the nexstble to make night. Whille the anlmate place that ig and we trer ammals were feeddinner in the were trying to eat of the Goforth nald, Let us fust sak Mr. Lord ailently to give us fust ask the Wanta un to stay here,' ${ }^{\text {place }}$ if $\mathrm{He}_{\mathrm{a}}$ scaroely finlehed here, We had Christlan came up, eating , When the Lord! a wealthy man has. Praise the a fine empty place which haffered you fixed over and he says you cast been It an long na you hite, free can have Here was nurely one of thee of reat. ceeding abundants. For Lord's exWe preached the Oospel to three days dreds of men and women to many hun. Wha begun whiob han contlnued ever
elnce.
"On one of the early viaits a mo foot was terribly a little child whose foot was terribly burned. The whose foot wan badly awollen, the infamma. lef. The chill aome distance up the ed in a gerlous was feverish and seemthat on that condition. It happened bring the at trip I had forgotten to Fring the atmple remedies which to told the woman to take whth me, so I the child wat could do nothing tor pitenualy. Hut agaln she begred for piteruaty that I could not turn awnyi anked the up my heart in prayer, was anythtne lo to ruide me if there I prayed the I could do. Even while I prayed the thousht of a bread poul thee camb to mind. This remedy never an almoct absum one: I hnd nised beford of auch a thing being butd before under like elroumstances, the foot relved to try It . Twice a day the foot wan eleansed and put in the pouthice and it was really worderfort 10 days foot healed. We were there 10 dayn and when we left the foot was almont completely well. The mother father, child hernelf and indeed, the Whole family, beeame Chrlatinns.
"I Rive the following Instance show how imponalible it wis to to When one would run into danger Gnow Ing to a certaln villafe for a day's preaching 1 took lule Mary with day's then three years of age. We mer, walted on by a Christian woman were Wha mont kind and attentlve brig who water and food for both Mory myself. Belne mill both Mary and preachlag to the woman to up with oocur to me to ank this, it did not she kept her bathy'a tace woman why the ehild was atways in covered, for Juat an we wore teavins t her arms. She uneovered the child ${ }^{1}$ asked her. my horror I naw the child wace and to wth nmallpoxt For weeks I covered Mary's temperature weeks I watched veloped. It wats throust nothing de atancen of this find that repeated insee that Mr. Goforth thas 1 came to e ald, The natear was risht when alf and the childrent place for your duty.:
"As we heran to prepare once more one ser return to China after furlough, eldest son difficulty theed us. Our world stone could be left to tace the of 16 . It wat nect so our daughter able eugntlan mocesmary that a sultable guardian ahould bo found for her. whom I upon three different ledies to reative some reuponsibillity toward
three declined to accept the but all billty. It then saw thept the responsi me to try to opan my own do not for that I must look to the I Noorn, bu also. I prayed that If Lard for thit to return to Chinn if He wiehed me dear child, to send me to leave my I could trust her, But one to whom passed when one day a ahort time visit from a lady whose life reelved a devoted to the training of had been men. She was one whose youg wo Christian character and ideal wutiful hood, made her the ons areman. others in whose care I could all leave my daughter. This could gladly how in her early years ahe held me lo give her life to China, but hoped had been closed. She now the way Lond had laid it upon her teit the offer to take charge of my chlld have passed since then and theara fulifled my highest expectatio ba definiterely has an answer come more did thely from a loving Father than ne that or this friend, nor Indeed help; ber brought greater relief and heof her offer was an unmistakable hild nat I the Lord would keep my I gave her up."
Note.-The above incledents are a periences of Mr . Gast week of the experiences of Mrs. Goforth and the cent Issues of The published tn reTimes. Times.
"Knee Deep in June,"

$V^{1}$E are now well into June, the Arst month of summer, and it eet monthe of the year of the grandwe ploked up James Whitcomb Ritey's poem, "Knee Deep in Jomb Riley's while the majority of in June," and along about June to "jes" sit out busy rest and not work at nothin' out and there is something restful in the else," ment of thls poem. Our space is lim full, so we cannot pubilah the poem in full, but here it is in part:
Tell you what I 11 ke the best'Bout thout knee-deep fime June. On the yine -some afternoom melt Like to jev fit out flernoon
Orchard's where Td ruther
Needn't fheero it in ruther beJes the whole kly overhead,
 Ribow room to keerlesly ${ }^{\text {on }}$
Sprawl has Sprawl out len thwarlessly
Where tho shather on the An the kivyens on the the bed and goft Alther fixen in the loft
"a-sort of lazin' thereThrough the waven and peer And a feller 'at's in lowe abow, Ever'thing you hear nor don't keer Got some you hoar and mee Muybe find ant buebinerses- nest Tucked up there conveenently Up toone other at's apple to bo
Waten othe Watch the swallepp akootin' pas Bout as peort as you could past
Er the Bob-white rails ind whia
Where some others withe

Nagruet It thay ain't somepin' in Yy conviotionst - goes ar'in' ders in June eapecially! about Under aome, old apple I couid ent alons throumh and through Nothin ${ }^{2}$ elt along withour
 And Juns wux eternity! me,
Jey out there and try to aee in the round and souse yer head Yer straw hat acroat, y . puil And poer through it at the ey. Thinktr' of old chums 'at's nead, In betwixt the bealk at you Clouds $0^{\circ}$ gold and white and bluel Month a man can raily love bin you.


Croxilet corpmarinil

Has been Canada's faverite yeast for over a quartor of a eentury. Bread baked with Reyal Yeast will heop frosh and molst longer then thal made with any other, so that a full wook'o supply ean eacily bo made at one baking, and the laet made in camaina

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## Don't Rase "Slackers"

## SEND THEM TO THE BUTCHER

Nearly every herd of dairy cows has its proportion of "Slackers"in return-both much as the best milkers, but give the least mill at feeding time and nety and quality. They are excellent worker "Blackers" have you in your herd? Do you milking time. How many

Test the milk and know which of your cows are profit producers, and which are merely good looking, and good natured "star boarders."

> Farm and Dairy has a supply of Babcock Testers for its readers. You ean get one without cost.

Just call on a few of your dairy farmer neighbors. Tell them about Farm and-Dairy and how valuable it is to every farmer who owns a serpiption to it yourself, so you know its worth. Get their subSend in eleven (11) new ary at the regular rate of $\$ 1.00$ per year, you, free of all cost to you, a fours in this way, and we will send for testing milk and cream.

BOY S ! Get bosy right now. This is a splendid chance to put your dairy on an up-to-date basis, Others are doing Tester, and

> an up-to-date basis, Others are doing it. So can Yours for Better Dairy Herds,
FARM and DAIRY
Oirculation Department,
Peterboro, Ont.
When You Write---Mention Farm and Dairy

## Winning the Wilderness

## Continued from page 14)

## don't you do more of it?"' Thaine ask don

## The girl answered, smilling:

"Just between us two, I hope to do a plece good enough to sell and help to ulift the price of alfalfa seed a bit." of seed over just now. Where's Uncle Jim ?" Thaine asked, trying not to let
the pity in his heart show itself in hls
eyes. "Uncle Jim is breaking sod-weeds, I mean-for fall sowing. Wait a min-
ute and I'll get you the money he left ute and I
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 1 know better than to say a word," he sald to himself
"Thank the Lord, the worried look is beginning to leave Uncle Jim's face, though. How could any
along without Uncle Jim?
"What Litlle seed to be worth so much, but it's the beginning of con quest," Leigh said as Thaine took the bills from her hand. "And it's a mach more hopeful businces to reclatm from booms and weeds than from this lonely old prairie as it was when Uncle
and your father first came here."
and your father first came here.
"Is just the same old pionee spirit, though, and you are fighting mortgage just like they fought loneli Virginla Thaine to help him to keep Virginia Thaine
his courage up."
his courage up
dy cheeks and the continued his rua dy cheeks and his continued
picnic? You'll have to start early It's a goodish way to "The Cotton woods.' The Sunflower Ranch needs my talents, so 1 ean't go with the crowd, but may noon. Inl drive over in the buggy, and I'II try to smake some pretbuggy, and off the wagons to ride bome ty girl of the wagons then aver."
"Maybe the pretty girls will all be preempted be
Leigh replied. "I know one that I hope won't be," Thaine eald.
Leigh was bending over her drawing board and did not look up for a long minute. It was her gife followed her own will unfinchingly. The breeze had blown the golden edges of her hair into fluffy ripples about her skies was reffected in her eyes, shaded by their long brown lashes. Thalin gat watching her every motion, as he always did when he was with her.
"Well?" Leigh looked up with the tuery. "And what's to hinder your she understands and you are owift enough to cut off the enemy from a flank movement?
"The girl herself," Thaine replled.
"Serious! Tragical! Won't you give me that chrome-yellow tube for the paint and their hands met.
"Say, Little Sketoher of Things, wil you be missing me when 1 go to school next month? Or will your art and your ranch take all your they won't, Leigh said. They, will help to fill in Leigh said. They
the time, though."
"Leigh, may I bring you home tomorrow night? I'm going away the more for a long time."
'No, you may not," Lelgh replled, looking up, and her sunay face framed looking up, and her sun hair was winby her goiden pleasing.
"Why pleasing.
"Why ne, Leigh? Am I too late?"
"Too sarly. You haven't ssked Jo
"Too early. You haven't sked jo and been refuned yet. But you are

## Thaine was standing beside her

 W. mean it. Hes anybody asked ar escort?"Oh, yes. The very nicest of the crowd." Leigh's eyes were shining

## added.

Who was it?
"Thaine Aydelot, and I rerused him because It was good taste for me to do so. If it's his last day at home-
and-oh, I forgot what I was going
to say," "I wieh you wouldn't make a joke
"I wish you wouldn't make a joke ou unkind to an old netghbor and lifeong pal," Thaine insisted.
But Leiph made no reply

## "Leigh!"

"Tell me why you insist when by all the rules you are due to snake the prettiest girl in the and into your buggy. Why wagon and into your buggy, all the rea't you satisfied ther boys envy you?" Lehgh had other boys envy you? Lergh had,
risen and stood beside the rustic seat, her arm acroess its high back.
"Because it is the last t'ne. Because we've known each other slince childhood and have been playmates, chums, companions; because I am going one way and you anot. an ard our paune may widen more - oh, Leigh, because I want
cause
you."
He leaned against the back of ti.?
seat and gently put one hand on her
The yellow August sunshine lay on the devel prairies beyond the river.
The shining thread of waters wound
time, my prince will wear a sprig of and the foot of the headlands tower
alfalfa on his coat."
And a cockle burr in this whiskers,
and ceralean blue overalis lake mine,
and he'll drudge along in a slow scrap with the soll
himp." Thaine added.
'Take it got your
commented.
"Oh, he's just one sort of a man by himself," Thaine declared. "A pretty good sort, of counse, else l'd never have recommended Ill see you across er. Good-by. I'L
the crowd to-morrow.

## He turned at once and left her.

He turned at once and left her. The Cottonwoods" was a picturesque
uttle grove grown in the last decade little grove grown in the last decade 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 poots lost In grasses lay flat and brown on the level grasses lay fiat and brown on about it. Down the shaded 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 fancles.
The day was ideat. Such days come somotimee in a Kansas August. The young people of the Grass River neighborhood had made merry haif of gathered for the plenic lunch someone called out:
"Jo Bennington, where's Thaine Aydelot? Great note for him to dilappear when this Charity
"Better ask Todd Stewart. He's probably had Thaine kidnapped for thle
this occasion," somebody else suggestThe shining thread of watars wound "I tried to do it and failed," Todd

THE business survivors are the good advertisers. But good advertising is not chiefly the putting forth of strong advertisements, Advertising is worse than useless if the goods are not as strong as the advertising. Survival is founded on bedrock quality. Good advertising must rest on that. Test the givertising in Farm and Dairy by that severe standard, in actual purchase. We guarantee the rity of every advertiser in this issue, and believe chey will stand test. Try them and
in Farm and Dairy."
away across the landscape under a stewart assonted. "I don't need him
play of light and shadow. The clover in my besiness. He can start to play of light and shadow. The clover
sod at their feet was soft and green. The big golden sunflowers hung on their stalks along the bonder 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 drops. Under their swaying boughs Lelgh Shirley atood, a fair, sweet girl. of the midsummer afternoon could have been quite so pleasing without her presence there.
She looked down at Thaine's big brown hand resting against her white arm, and then up to his handsome face.
"It would only make trouble for, for everybody. No, I'm coming home with the orowd on the hayrack. She petals from a tiny sunflower that lay on the seat beside her.
"Very well." There was no anger in Thaine's tone. "Do you remember the blg sunflower we fo
Prince Quippl, once?"
Prince Quippl, once?" "The one that should bring
straight from China to tme, if he really straight from China to me, if he really
enred for me?" Lelgh asked. cared for me?" Lelgh asked.
"You said that one was to tell him
hat you loved him and you knew it wotad bring him to you. But he place.
never came."
It's a way my princes have of oing." Leigh said with a little laugh "If I were in China and you should send me a sunflower, I'd
wanted me to come back." chool tu-day if the wants to."

WeH, you don't want him to go, do
"Oh, 1 don't care especially. I'm oing away myself, but not to the Univensity, but I'm not going till papa's lected," Jo replied.

And If papa's defeated we stay

## hoin

That all depends," Jo replied.
"Of course it does. What is it, and who depends on \&t? Jo, I'Il help you if you must defend yourself
Thaine Aydelot bounced down from the rocky bank above into the midst of the compeny and became at onc Jo's escort by common consent.

Now, life's worth living, Thaine's here.
urged.

It was not Leigh Shirley's fault that Thaine should be placed between her and Jo at the spread of good things to eat; nor Jo's planning that she should be between Thaine and Todd py to-day.
In the late afternoon the crowd strolled in couples and quartettes and groups
place.
Thaine had been with Jo from the moment of his coming and Lelgh was moment of his coming and that she had not ylelded to his roqueat of the afternoon before. She had become a little separated from the had become a litle separated from the golden sunflowers down the edge of know I ever send you one you will
ing far beyond it. The ean had disappeared suddenly and the gleam of the lossoms dulled a trifle. Leigh sat eft of the shadow
"Are you still looking for a letter that will bring Prince Quippi back?" Thaine Aydelot asked as he cllmbed up from the rough stream bed to a seat eside her.
'm watching the effect of sunshine ad shadow on the sunflowers," Leigh replied.
"It will be ahadow if you wait much longer. The clouds are gathering now and we must start home."
Then I must be going too. It's Some time I'm going to the top of ome time I'm going to the
those bluffs, away off there,"

## ested

But it's too late. I mustn't keep But its "It's a stiff climb, too."
"I can drive up. I know a trall up, Leigh. It won't take long. There up, Leigh. It won't take long. There
is something worth seeing up there," Thaine insisted.

Well, be quick, Thaine. We'll get into trouble if we are late," Leigh deinto tro
The trail up the steep slope twistdits way back and forth through the ow timber that covered the sides of the blaffs, and the two in the buggy found themselves shut away in its olisary windings.
What a shadowy road," Lelgh said. And see that cliff dropping down beyond that curn. How cou the be level plains?" evel plains?"
It was my fairy land when I was ars long, "go and explored it myself, hers long aso and explored myself. sometime. See how the branches eometime. See how the branchen meet overhead. No odor from the bluffilde are ike the odors of the woodland back in the Clover valley in Ohio. I remember them yed, al thougt I was so Little when I lef
He shifted the reins, and throwing his hat in the buggy before him, he pushed back the halr from his forehead.
"Lelgh, will you let me take sou home? I didn't ask Jo after all. Tuad
wouldn't wait long enough for me to wouldn't wait long enough for me to do that, as 1 knew well enough he wouldn't. Don't be mad
Plesse don't," he pleaded.
Please don't," he pleaded.
"Why, T'm glad if you really want me to go with you, but you shouldn't have stayed away thls 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 undalng some day." Leigh sald, with a smile that took off the edge of sarcasm.
Thaine sald 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 River for to thetched toward Grabs westward a wonderful vista of level prairie spread endlessly, wherein no line of shrubbery marked a water course nor tree rose up to break the clrcle of the horizon. Over all this vast plain the three headlands stood vast plain the In the west the sunlight had plerced a heavy cloudbank and was pouring through the rift in and was pouring through meld from one broad sheet of gold mist from buint amber, with green and grey and richest orange, blended all in the (Continued on page 18.)

## AMUSEMENTS <br> Conducted by MARION DALLAS

Showers and Announcement Parties
S HOWwrs and announcement par-
ties have become late that one of the ${ }^{50}$ popular of dng social questions to the tune interest and her intimate triends, tin vel plan for publishing the happy news. There are so many ideas for such delightfur affairs that it is mere iy the matter of making a choice.

An Announcement.
The spider-web idea was used by a engagement. After the anusounce an sived, they were usthered into had arIn which tiny white ribbons- or In while tiny whine white ribto a room young ladies and entertaining both or chen at a kit-
strings may be used-were han or chen shower, have some singing ant from the chapdelier. Eache hanging inst shower, have some singing and and followed it in ind out took one the ansental music. Try this contest. roms. Finally, at the end of the riby kitchen utensill: (1) What a bood a
iboms cound were
cound arth.
gesting sug.
gesting
Wedding.
One guest
came upon a package
of rice, anof rice, an-
othe a $n$ old shoe, a thie bouquet of artificial or artificial orange bloss and 90 and There 0 Was
Th a great deal of excite.
ment excite.
each made
her ${ }^{\circ}$ discov.
ery, And
then And
The Farm Foreman's Home on Roycroft Stock Farm.
Abride-to-be, foreman this one, but it should be fust as necessarily be as elaborWho had foreman on the Royeroft Stock Farm, owned by Mr. Wh. The farm purposely delayed
her search,
at the end of her ribbon. Inside box (2) A vegetable and a conceited slipped on her fing ring, which she of mountains? masher). (3) A chain tutations of her friends the congra- of baseball (Range). (4) Member guests were ushered out to Then the What curious people (Pitcher). (5) Letting the Cet Ouncheon. (Pump). (6) Impudence and do do? ther su ting the cat vitise is arranged by let. When one has little color? (Pail) usuad way. A large bag in an un- (8) A letter of the alphabet and a di. cardboard and on it the glad cut from An affectionate cuse? (B-room). (9) is painted in contrasting color. This (10) The branching of a river? (Spoons). secretive pussy is enclosed in a pret (11) The p'esiding geniver? (Fork), ty bag made of crepe paper which fs chen? (Cook). further fllted with rice or which is confen Tell fortunes
Ribbons for bursting the bag hang pass around a small calse in and from it, and the receptacle bag hang are a ring, buton, all cake in which in the arch of a doorway or above the straw, each being an imall coin, and supper table. When the time comes, coming fortune. the ribbons are pulled and amid teresting news. down comes the interesting news.

## A Linen Shower.

A novel showen Shower. as follows: The hostess asked 12
friends to meet at $\begin{array}{cl}\text { A Linen Shower, } & \text { shower is to have all the parcels pret } \\ \text { tily wrapped up in tissue paper and } \\ \text { A novel shower was given recently piled iff a large clothes-basket. Keep }\end{array}$ friends to meet at her home informally this in the large clothes-basket. Keep at two o'clock. The bride informally have all arrived until the guests asked to come at three. In this was wame of "Jacob and Rachael," and the hostess explained. in this way when your guest of honor has been which was as follows: She had ma, as Rachael, herg to be bllndfolded terial for each one to make sud ma- as Rachael, have two of the guests ticles as a dusting cap, three dusters, bring in the basket, which could be a broom bag, ironing holder, dusters, covered with the white paper and bag, kitchen apron, clothespin bag roller towel, and a case to wind linen ring and Place it in the centre of the doilies on. The entire cost was add. her and remove the bandage from ed and divided equally, and then each ask eyes. When inviting the guests article was wrapped in tissue paper, verse or to write some little original tied with ribbon and bldden through, merst or message, each of which she out the rooms. When the honored onened. Thead aloud as the parcels are guest arrived the hostess announced cheese- Then give each a square of that a fairy godmother hai confided chem neatly, which he and she must to her that there were packages of to-be. When findeters for the bridevalue concealed within the room, to brolder the initished, each must embe discovered only by a tride-eleet one corner. initial of the worker, in Whereupon the hostess bridal music the plano and played down to marches while the bride hunted wing hidden treasures, guided by bunt the soft tones on the plano. All the packages being discovered, they wackopened and the girls all set to werk on whichever plece they chose. They pronounced this a "utility shower" Two note-books-one for advice co how to run the cooking stove, as of for bints on the management filled bynds-were passed roind and ed by the guests, and the affair endsonage immisterially appareled pering admonilig on the scene and issucomic home perlods that everybody went tome In a ripple of laughter. Where Kitchen Shower workman has and to rent? (Skil-let)



VIfiif

Granite Shower.
The simplest way to arrange the piled iff a large in tissue paper and


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tify, protect and to enhance the
value of your property. value of your property. It safe-
guards your children, guards your children, keeps out
marauding dogs, animats and marauding dops, animals and destruc-
tive chickens, potects the tawn, shrubs
and flowers, and prevents.

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"That Will Grow Wo can supply rack-cuured corn,
on the cob or sbelled, from the fol-


 of eoer
ILt wuate you on ail kinds of
Earden and field soods. tholuting
 roks poutcer beana, white beans,
seed
Erawatatoes, buckwheat and feld soed p
Erawe
Meat


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## BUTTER\&EGGS




TORONTO, ONT.

## HOME CLUB

The Educated Girl, the Ideal.

THE article on the educated girl 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 nonsense! in nine cases out of ten "The Educated Girl" posi-
tively refuses him because she considers him far from being a suitable siders him far from being a suitabie
ufe companion for her. There can life companton for her, There cun
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 idleneas. In the majority of cases she has had to
work, and work hard too, in order to work, and work hard to0, in order to get her present standing. She knows
the trials, the brain and nerve fag, the the trials, the brain and nerve fag, the
discouragements and worries which discouragements and worries which
one encounters in dealling with the public in one's dafly 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 gone through like trials enderstand. gone through like trials enderstand
The educated woman has had am bition enough about her to want to earn her own bread and butter. She knows how to earn the penny and understands its real commercial vaiue. As a consequence, she knows how it spend it to the best advantage.
she becomes the mistress of a home 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
home, or that a little nest-egg may home, 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 expensen are over-running her cash accounts, This will be brought to bear in the 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 stmple reason that they will never arrive at that state. The evenings will always be reserved for her bus band and family. Any one capable of acquiring an education is quite likely to soon learn the art of housekeeping. It requires brains and common sense. "Who can find a virtuous woman, for her price is far above rubles. The heart of her husband doth safely truest in her, so that the shall have no need of epoll. 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 vlews of old ones, etc. His mind is constantly denever dreams of keeping her mind apace with that of her partner. Not 60 the educated girl! She is cver etriving upward and onward, making home the Ideal phace for companions, The busband is proud to bring his is confident meet such a wire, entertain. whether as a musician, it brilliant conversationalist, or an attentive and sympathetic listener. Her thoughts are for the happines, of others and Physical beanty fades with age, but mental and spiritual remain through life.- "Corinne Mae.

## Men Not to Blame

MYBE I'm foolieh, but I can't help butting into the interesting dis cussion in the Home Club about educated men and women. I'm glad much the question doesn't bother me much for I fecl like the would-be poe
ho wrove

Gee whis, I'm glad I'm free
No wedding bells for me."
There! I hear "Slster Molly" saying as she reads this,-"sour grapes." Well, I might as well admit that was stung-and by one or coted" girls, too. of course it is educated" girls, too. Of course it is me. Suppose I might as well spin the yarn. Daisy, (we'll call her that) and were brought up on nearby farms. About the time I was ready for an average start on a farm of my own, we had decided to unite our fortanes. Her dad, however, insisted that as we afford it, that Dalsy should have a year and a half or two years at college. bad to agree of course, toat when Daisy finished her college course, she declded that she would have a "broader outlook" on life in some other aphere than that of a farmer's wife and dropped me. I hidn't for I never had much education, as, "ter leaving public school I had to turn in and help ded on the farm. I have told this incldent, fust to show that some fellows would take an
Of course "Here's Hoping" is right to some extent. By all means let us have all the education possible for both men and women. But don't put all the blame on the poor men who have never had much of a chance and cannot hope to have this "super" 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. Besides, most of them get high falutin' notions when they go off to the eity 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, these girls don't Just like a woman, blames the men.
isn't it? Did she stop to think that the average man and average woman in the country are about equal as regards education. It is only natural, then, that the girls who are supereducated and who will accept only super-educated hubby, should have is at least one explanation why some is at least one explanation whelf.
There's one satisfaction about the ordinary eort of girl, even if she is the butterfly kind. Whlle ahe likes a the butterfy kind. While Rhe likes a
food time, she is usually willing to take a man as he is, whether educated or otherwise, and does not feel that or otherwise, and does not feel that she is descending the is all right and let us have more educated men and educated women-but to tell the 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, overtuung now by a stormagirdled aky.
"This prairle belongs mostly to John Jacobe now, and it is just as it was when the Indians called it the Grand Prairie, and the old Pawnees came dowa here every summer to hunt iviffalo. Some day, soon, there will be a sea of wheat flowing over all that ovel plain," Thaine sald.
"And up here a home with nothing out off a fragment of the whole horizon. Think of seeing every sunrise and every sunset from a place like this," Leigh said, her face aglow with an artist's love of beauty. "It's farther to China than I used to think when 1 dreamed of a purple velvet house, decorated with gold kno
yond these three headiands."
yond these three headiands."
"I always did want to live on the Parple Notches," Thaine sadd reminiscently. "Tm glad we came up here
The sonnd of singling came faintly ap from tie valley far away.
"The crowd is mobHized. See the wagons crawling out of the grove and the civiliane in citizens' clothes fol owing in carriages," Thatrie sald, ns he watched the pienie party pushing
out towards the eaetward. "Tm so out towards the eaetward.
glad we arent with them."
Letigh sat leaning forward, looking at the majestic distances lost in purple haze, overphadowed by purple clouds with goldbroldered edges of sunlight.
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 sald softly
Thatne leaned back in his buggy and looked at Ledgh with the same tmpenetrable expreasion on his countenance that was always there when "Leigh." present.
"Leigh," he sald, at last, "I you
didn't have Uncle Jim what would
youn do?" "I don'
don't know," the girl answered. who diddn't ake you, but you, you don't seem to care for any of them.
they suit you ${ }^{\text {Y' }}$ Thaine aaked.
"Yes, but 1 can't think mach about therm

Why not f"
elgh drew a long breath.
"Thaine, you have alwaye been a good friend to me. Some day ITI tell you why."
1y.
her violet eyen.
Ob, hitte girl, forgive me. Its because - because, Thaine hesitated. "Becavse deep down where nabouy Leigh. I didn't know how much undil the night of my party and the day we were at Wykerton."

Thalne! Thaine! you musta't say such things," ". vigh cried, gripping her hands tok
"But I must, and I will," Thaine (To be continued.)

## ATTRACTIVE DINING CAR

Perhaps nothing helps more to nake a raltway journey really enjoy. aspecially it it be a Canadian Pacific Dining Car, where the passenger is assured of the highest form of etlclency in the oulinary art, the choleest provisions that the market affords. prepared on the acientific prinelple known as "Dietette Blending."
Your favorite dish, as you Hike it, may be enjoyed at reasonable coat, amidat ideal surroundings, while tra velling on the Canadian Pacife.

# Light or 

 $\mathrm{C}^{\text {PEAKI }}$ situatl ing which Martin Bur mation. Hi follows:
## The Makers' Corner <br> Buttor and Cheese Makers are In. vifed to send contributions to depestime department, to ask questions on mattors relating to cheese making. and to suggest subjects for disous. slon.

Light on the Cheese Situation $\mathrm{S}_{\text {PEAKIN }}$ mons in thast weak House of Com situatlon, woek on the cheese ing which appears in thte tencern Martin Burrell, Dominta lissue, Hon Agriculture, Eave the following iter of mation. His remarke, following infor follows:
Last autumn the Britieh authonities communicated with the Canndian Government with the idea of sceln Whether it would be possible for seeing in some manner of other, to soeure the whole exportable surplus of Ca aadian cheese. We pointed out that would was the close of the season it Would te practicatly tmpossible to do caybing, and that if they did wish achieve anything in that way another season, it would be very desir. thary commence int January or Febfualt it when the Government here some arrang be quite ceasible to make satisfactory all round.
done in done in January and February, and meanwhile the British authorities had commandeered, through the New ZeaNew Zovernment, the whole of the of 19 Zents, cheese output at a price the Prime Minister, In March, through England, there We should seoure as ouggestion that nadlan cheeseure the whole of the Caa process of comput for this year by Government, commandeering. The ering the matter thornugbly consildMinister, and through adm, Prime perial Government conwider a procent, that we did not ing cheese wrocess of commandeertory method in regan very sutisfacwhose conditions regard to Canada, ent from thase in Now entirely differ pointed out that New realand We ed throush a limited torles which were all number of facfrocturing agencles, bit selling manu cies as well, and that this mystom agenan entire contrast to that in this was try, where we have 3,000 factoris counwhere the whale trade is done thrond obeese buycrs and an organized tragh Therefore we said it wonld not trade. tieable to commandeer the pracSome correspondence went on cheese. ble, and it was then suggested that acommisstion should be appotnted a Whioh the British anthorities would have one representative, with the iden of carrying out the suggeation we hed made, namely, that in any arrange ment to secure the whole cheese pro duction of Canada on satisfactory erma, it would be desirable to operate through all the existing trade ohannels that had carried on their buplness from time fommemorial here, As a result of that, a commiasion of three was finally appointad. The British authorities appointed Mr. James MaCowan, and Informed us by cable that he was salling for Canada. It was quite obvious that nothing could be done untll that commissioner arrived from England. Speaking from mem ory, I think be wid not arrive until the middie or enal of Aprit. Meantime the chinge market in Canada had opened, and thougn there was no heavy demand, as not much eheese mum weing manufactured, yet the maximand price that had been flxod in Digwhifh allowed a condition to exist on this allowed competitive bidding that was ife for the emall business excess of that of last fall, and far in


Hay Loaders, etc. You'll get some Mower and Rakes, Side Delivery Rakes,

## The Frost \& Wood Co. Limited

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COCKSHUTT PLOW Ontario and Western Canada by
 Long Res up little room and doesn't overheat the kitchen. The Long Blue Chimney makes the flame "stay put "with no smoke.

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will cook your sural for from 5 to 10 combs.
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Limite
branches in all citirs
excess of the price at which the New because it is sound business to do so,
Zealand output had Deen secured for But there is a maiter regarding
the lmpenial Government. Meantime economy that perhaps your paper the lompenial Government. Meantime economy that perhaps your paper
 ceased pormituing any space to be
taken up by Canadian obeese from Canadian ports. There were reports less, and serves no good purpose. usethat Amenican and Canadian cheese could easily be dispensed with if the was soing by British and United buyera and the consuming pubblic could
Stateceships throuzh Americau ports, be broucht to that way of thinking. States abips through American ports,
and I think ti probable that to some and I think it probable that to some
extent these reports were true. At all events, we advised the British au-
chorities of those reports. Manatacturers of cheesse and cheose
buyere were by this time, well on in buyers were by this time, well on in
May, becoming very uneay as to Whisther it would be practicable to at rid of their cheese at all if no ga. oe
was to be given to it, and they were was to be given to tha and they were
also uneasy as to the price as one
day it was 26 and 27 cents and hiter day it was 26 and 27 cents and hater
down to 20 cents, simply because there was only a nominal market, and
the whole situation was uneertain and the whole situatuon was uncertaing
vexing. They were -begining store cheese; storage space was belng
filled up; they did not know whether filled up; they did not know whether in short, no one knew where he atood.
Then quite recently +1 That the Britishl authorities has decid. from the United States, or Canada, or Australla, or New Zealand, or any other point, directly it arrived at British ports, and that they had changed uteir on the market for civilian use, cheese at succh a price as would permit it to In so far as this Government is con In so far as this gavernment is con serned, every faet comnected betore the British authorities. We have taken the ground that, while we conceive Country to get these food sumplites which are so vital to Great Britain. it was also our duty to conserve, so tar itmate and tair intereat of the produc ers of thite country, nod we wanted to achiteve, if possible, both those ob jecte. We pointed ourt eliso, that it so low a price as 19 centa was likely to be fixed by the British authorities for criok the fact that in the case of such a commotity a very low price would the raw material for cheese to oth er forme of manufacture that mikh to more proftable, and althought the Britist Govervenent manufactured for whatever price they paid, teecuese there was pracucalif no otior mathe amount pro duced, as with too low a price, the manutacturore would divert the raw that our conditions were not like those in New Zealand, and that our trade conditions
treatment
I understand that the Britieh commisaioner has been authorized to go lout and buy for a time at a price not as satisfactory as some of ou obeese manufacturers hoped, is at least more satisfactory than the New Zeafand price and is abont 2 cents better to the factory than the average price of last year. Whether that condition a position to say.

Why Not Omit Coloring?

EDITOR Farm and Dairy: In such are passing through at present, notice that your paper, in general notice that your paper, in general ing "Economy" and "Tnereased Production." I quite belleve that all cheese factories are dolng their bes to encorurage incrensed production, no only from patriotle motives, but also
be brought to that way of thinking. maker, from sellish motives. If the buyers would only ask for white cheese from this factory, I should b pleased to make it at a correspond agly lower price, which should go inte would mean very little to each patron individually, I would suggest that it otic fund.
Perhaps, if you print this in "Mak ers' Corner" the suggestion might ma
terlalize.-S. Adamson, Cheesemalcer, Middlesex C o., ont.

## Government Announces Price Set

 for Cheese(Continued from page 18 .
pin
ers. pre charges belnt prepaild by deal cent. more or less) to each Bill of Iad Ing and Invoice, will constitate a delivery,
Payment will be made only after documents have been delivered in pro-
per order to the satisfaction of the Commisaion.
White or colored oheese, or cheese or different grades, or cheese known as involced and nhipped separstely. Invoiced and shipped separately In event of delays in shipment taking place exceeding three weeks and aree days from date of Grader's inpection, payments whe following condtitone Such ohepse in all cases must be Such chepse in all cases must be torage, as required by the Oomming torage, as required by the Commis lon, and approved warehoase remust Accompany finvoloes.
The deater or invoices.
The deater or dealers will ship such instructed to to so by the Commin oion glving "Ballee" receipt for hle or their werchouse receipts. The "Bal or their warchouse recelpls, The "Baileslers on delivery of shippling docmments. In event of the Commisalon reguiring dealers to store and carry cheese beyond the period of three reeks and three days the Commlasion rill pay the surrent cost of etorage, nterest and fire insurance.
All checse to be ooopered to the satisfaction of the Commission and boxes clamped with iron hooping, as, and when required, and ehipped in ood order. Ohe
Boxes are to be marked in auch manner as may be directed by the commiseion, and each dealer will use separate and distlinct mark for eaoh grade of sbeese shipped by him, at may be directed by the commission. As graders can only examine samcommission, dealers shall be responsible for the weights and qualitles of their respective ehlpments, notwithstanding Inspection in Montreat, in the same manner as they would be if chesse were sold citt. London rules.
Cheose to be free from any adriteration whatever, and all deliveries moet be fresh current recelpts. Cheese held in factories or atorage of any land will not be coneldered a good delivery. All Invoices and documentr moer truiy reppresent the grade of cheese viation therefrom on the part of any dealens will be deemed by the commission sufficient reason for discontrom such dealers.

Milk Producers Form Provincial Association
Twelve Ontario Local Organizations Were Represented at the Meeting Held in Toronte Last Week

T${ }^{\mathrm{HE}}$ Pity milk producers of the Province of Ontarto have forms:
ed a Provincial Mulk Producers' Association. Definite action was takon at Toronto on Friday of last week when unirty delegates represeng on arto from Othawn to Middlesex, de. ided that sucti an organization is now riecessary. A provisional diree orate, whose duty it shall be to draft constitution and then call a general meeting for ratification of the constltution and the election of a constitutional board. was appointed as followe: Ohairman, E. H. Stonebouse, eston; secretary, Manning F. Hieks. Newtonbrook; P. J. Grimin, Freeman: G. J. Cook, Beachville; S. Young. The objects and advantagee of such an aswociation and the results of a couple of hours' digeussion, were ad
coly thonse, in the following:
A Provinclat Association will be medium of communication be
Under the central the province will o divided into distinet districts.
It will guard the legislative interests of the producers.
It will be a bureau of information it will be an instrument for mutual protection.
Through it a uniform system of contracts, and unlorm dading will be por ible

Traftic rates can be adjusted.
It will carry on a work of publicity ond education.

## The Discussion.

All took part in the discussion of the afternoon, and all ondorsed the Idea of a provindal asroclation. Mc J. G. Smith, of St. Catharines, mentioning the tendency of dealers, when hlegher prices were demanded, to
threaten millk importations from outtibreaten milik importations from outas, stated that in preventing bide points, stated that in pravanking euch importathons a central assocha. ing feed co-operatively and protection ing case of tuberoular testing were case of hubervolar hosing were to Mr. Smith

Are they telling the truth when they tell us they can get milk else where?" netwed A. M. Shaver, of Ancester. "With a provinelal sessocia-
tion we would know this for ourr cion we would know thes." Mr. Doherty sogested thet all prices of locals shonid be submitted to the cantral for approval so that aupport, if needed, could be consclentionsty given. Referring to fogis. tative control, he sald: "It would be jmpertinent, perfiaps, tor a small local to go to the government on a provicial issue as we would represent But a provinc
status."

Let us educate the pufflle to the fact that milk is the cheapest article of "llet to day," remarked A. Forster. of Markham, and suagested auch eddeational work as withi
provincial association.

Space torblds cull mention of all the discuselion of a conference that taeted from 2 pm , to 11 pm , but the motion approving organization, moved by J. P. Grimn, and seconded by G. Cook, was passed unanimoushy. 7 pm . the videding delegatet were the Association, and the evening was spent tisteming to short addressen by everybody present. There was much plain tallog done as to the conditions whioh
militate against agatcultural develop.
ment and all showed themselves well nfortued on the economic problems of oress their views forelbly and jnterest. ingly. The evening was rendered pardicwarly enjoyable, because of the frel men or comradeship which existed. The men from Ottawa fraternized with extended the hand of friendiffilp to the vierting delegates from Montreal. tall dit of those present, with the jows:

Tortanto.-E. H. Stonehouse, Wes Ion; A. J. Reynolds, Hampton; E. A. Jno. Newhouse, Snelcrove; R. F. F Hicks, Wulton Grove; r. L. Crawford Weston. Ottawn.-J. B. Long, HintenMiddlesex - Andrew Cornieh and Robl Brown, Witton Grove. Oxford.-Jas Fleming and F. B. Wulliams, Wood stock. Beachville.-G. J. Cook, Beach-
yille: J. 8. Nichofs, Ingersoll. Went. ville: J. S. Niohots, Ingersoll. Went Worth,-J. P. Grimin, Freeman; Smuck, Glanford. Peel.-M. W. Doherty, Malton. Guelph-S. Young, Lincolin. Wm. Bougner, Beamsville; J. ${ }^{\text {Walth }}$. St. Catharines Niagara Falls.
Smith Smith, St Catharines Niagara Falls.

- Hugh Mitchell. Welland.-H. C. Hugh Mitchell. Welland.-H. Shaver
Rice. Ancaster (vistiors) A. M. Shaver and W. E. Shaver. Montreal, S. E. Smith and Malcolm Smith, Lachate, United Farmers of Ontario, J. J. Mota-Dairy,-F. E. BiMs.


## Ontario Plans Improved Highways

 (Continued from page 10.)that county wardens have to face is that of unsiditled labor. Few men understand the art of road builiding, and uns of opins the work to be in favor of a patrol syatem for the summer months. Some of the counties have already attempted this. Ten miles is he maximum that one man can cover and keap up the road. These men re eive 25 c an hour, and are hired for the summer season only. The annuat cont per mille for maintenance of the gravel roads is $\$ 50$ or léss.
The county road officials were interviewed during the tour and fur nished valuable information. They are in favor of the good roads movement, and Invariably they were opaned the statute labor, All apprecl anxious to take fuller advantage of it anrious to take fuler advantage of it
in the future. The patrol system is the ideal one fa their eetimation The ideal wardens and members of the various county councfls deserve ward of pralse for their untiring ef word of prahe for thelr untiring efhave had a great deal of oppoaltion to have had a great deal of opposition to
overoome, and continue to have; but as one wanden put it. "the have; but, speak for themselves" and therefore peak for hes are pradnally deerea thelr
ing.
it
any province in Canada needs good roads it is Ontario, and it any this province Ontario is in the this province. Catario is in the hear of the continemi wivi sood rafl and is mod rinds ofrm the interior to shlppling points to complete its system. The value of good roads to a district cannot be measured in dollars and oents. It is estimated that lan values along improved roads have in. well for those countles that have not yet taken up the good road movement o conslder it now and prepare for after-war development.

June 14, 1
ther conditions ever will be p conditions will thing else durin Weeks.-H, C.
Branch, Markda We have done Lieve the labor GHlesple, of Pet
enthusiastic and conalderably in Mr. Gillesple al boys have been
few appHications the Labor Bu date, in Peterb the applications help provided,
borough County The two farm ty have been tI aeither of them ing so far.
hey say that th or worked very tivating the land, no ill effects at
ground. This is

Doings of District Representative

Codemand in this dor alfalfa seed grown land and Niegrsathoo boys of Weltion of the district, I devoted a por- have been placed on farms he principal eire endeavoring to get tion to thls we have placed in addiof Windecker towers in the locality other sources about fifteen youngugh into a Seed Prodvanize themsolves lows, some of whom beve come fromWhite a cooperative organization is. the Trades and Labor Branch in Hamdistrict I ful in organizinge we will be successthus materially these seed producers. of seed producel raising the standand on a more produced and patting the work might add that the conomic basis. place is probably above mentioned producing centre in the country seed year, whan nearly the county. Last the county faile in the districts in growers about Winheir seed crap. some seed of areilecker produced better grade selling ent quality, the per bushel.- Cee. 5 readily at $\$ 25.00$ County Branch. L. Woltz, Haldimand After receiving woga.
ity of the Department of the possibiltractor for use by the buying a farm in touch with a number of mers, 1 got I thought could make use of mame, and that that many could do so. Since use have many applications for it date we have work fled the present May 24 th at least, with the tractor running steady, also some fairly large jobs in July and right up until Novem. ber. We think, trom the present inrocure two would be advisable to in order to corer the more tractors well.--E. F. Nert, Norfolk Courly Branch, Stmeoe, Ont.
During the past few days we have boya on the farms and Gavey County warded a few applications to also foreau at Toronto. The labor to the Burvery much in ertidence troustage is whole county, but with favaghout the ther conditions a larger acreage than conditions be put in. Good weather thing else will mean more than any-weeks.-H. C. Duff, Grey or three Branch, Markdale, Ont. Grey County We have done what we could to re
lieve the labor sithat OHllespie, of Petartation. Mr. G, A. enthusfastic and had helped een very conalderably in thls work, Thronet Mr. Gillegple about thittr mon and boys have been placed on forms and few applications have been sent the Labor Bureau in Toronto. To date, in Peterboro, 1 thinlt most of the applications have been flled and hetp provided.-J. C. MeRae, Peter borough County Bnanch, Norwood.
The two farm tractors in this coun ty have been used this spring, but neither of them has done any plough. ing so far. I was talking with both of the owners over the phone, and they say that the International tractivating the very sattstactorily in culno ill effects at and that there were ground. This is interesting, in view of the criticisms we sometimes hear of the tractors being too heavy.-J. W. Stark, Peel County Branch, Bramp.

Included in our correspondence this week Was a letter from Mr. Mequeen,
of the Lave Stock Branch at of the Live Stock Branch at Ottawa,
asking me to locate for the company about to be organized dary Montreal, three carloads of granized in Ayrshires. This order was prompty turned over to the Secretary of the Southern Counties Ayrshire Breeders' Olub, and when Mr. MeQueen landed in Woodstock, ouruay morning we had one car of cattle in sight. The Ciub offcers are now working on the rest of the order, in the hope that they may be able to give Mr. Mconean Oreen. Osfor cattle required.-G. R Green, Oxford County Branch, Wood
The question of farm labor da ro - Savinge Certificates for your coun-

Without Economy War in Danger of Being Lost

$6{ }^{1}$F we do not economize in fooa
stuffs we stand a grave ofin losing the war. Our enemice of ralculating that America will fall in give in." These
Peemonal alarnist. Words of a prothe profound conviction of represent quatiled to speak on the is is better blems of the wortd than food proman. We are quoting Herbert c. Belgian Reliet Commeirman of the been named American Food Dictats by Preeldent Wilson. Theod Dictator words which should be they are heart by every Canadian.
There are two ways in which this creased food prodnction, is by insecond is by economy in and the (Bconoming, elimination of waste stuff. vital as any other part of waste, is as Every man cannot fight, evary, woman cannot work in munitions, but every man, woman or child a , Beonomize and can save.

## The praper use of

nvest them in War savings is to cates. These are Savings Certif. Government of Canada and by the aimable at any bank or at any obs oftice where money orders any post When one buys a War Savinga cold. tifcate one is not only providing malring an excellent thear, but also
For $\$ 21.50$ one of these
of three purchased, and at the end
pay out $\$ 25$, that covernment will
the investment will the interest on its value to that amount. This mensed interest at nearly $51 / \mathrm{y}$ per This means muoh better rate than the money pank. Besides left tying idle in the Fhich costs $\$ 21.50$ the 825 certificate certilicate whlch can be to a $\$ 50$ Q43, and the san be bought for Serve purchasable for $\$ 86$.

Savings Certificates for your
try's sake and your own sake.

## Market Review and Forecast

## M  

 in the whing in Winnmegent ans uttle or Thy. Then astricultural organpiation steadgreater production in thergnizations for has alded production in manited states With food stufm most noted in conneotion Argentine und Australua have reportu from wheneas wheat pricess Thavo tended to theught Ontario wheat has was at that proved weather and better, dues. Ma ete. have been affected by timproved
weather end

The Western
WHEAT,
certain. Western wheat situation is uncortain Winnlpeg raports Ittile trade
Conditions for sormination were good,
but now rain is requr Rain is predicted in the in certain part
 In Weatern Uorrowing conalitions provail
moleture is reported On and plenty of momare is reported. On the whole, con
 side: Na. 3 winter, $\mathbf{8 2 . 4 8}$ to trieinhts out coarse grains.
Prices have dropped a lltile during the past week Forepped and ltle during the
seem to bo falrey well mians lower prices or few eales. and this bined with fewrices or few sales. Com-
tion hat decreased, home homsump. ton has decreased, due to better pasno stock is being fattened now. Ittue or
Quo-
tathon follow: Osis no



## Priceas MILL FEEDS.

dolinese havo declined from one to two
feeds. The rmmast and oinises of mill weds. The reason ts quite obses of mili grass cont 10 for steady declines it it the
to



## Country polnts report beavy rain ant

good growng weather heavy rain and
look in ouebee was promising hay out.
has cond
has caused a that promising, and this
hay. ${ }^{\text {This }}$ will bo marketing of oid as the cropptng seamore marked as moon
ther declunes will follow Hover, and fur-



## potatoes and beans.

Potatoes are stil maintaining the old
High lovel Imported Virginia potatoen market not had any serious offects potatoen Delawares, st. i5: Votations, We Western, 31: 88; Cand Jananeen hand-ptcked, 57.50 to
prime, 58.76 . hand-pleked, buabiel, 39.25 ;

EGGS AND POULTRY.
In ealers report a much easier feeling intces egre a situatuon, with the result that try they are payng 32 c and the counarek, ile and 45C A Eseat many ezss much lower price thom United Stateg at
ada British buyers an previll in Canut the supply buyers are areving for Can-
 Llve Poultry.-Buying price delivered

| Chickens, mitre fed | ${ }_{\text {Live. }}^{\text {Lioc. }}$ |  |
| :---: | :---: | :---: |
| Hens, under 5 iks , |  | ${ }^{24} 5$ |
| do over 5 | 23c | $\xrightarrow{23 \mathrm{c}}$ |
| Roosters |  | 180 |
| Duekr | ${ }^{30 \mathrm{c}}$ | 00c |
| Spring chickens |  | 18e |






The truchipmenta from country pointa. further deoline, no in foll wing, will thike place
ButterButter
Croamery


Croamery printa,
Creaney solids
Oholec datry prin
Ordinary datry
Ordinary datry prints prints
Bakers'
The che
The cheese con....
Chease Comilasio 40 c
37 e
33 e
29
record by completing her nimth wounid.
tive Advanced Reistry
Crima Crimson Rambler 2 1109, A.B.


 The following table tuastrates the per-
dotency of the $A y$ ahire cow Ablormatency of tho Ayrahuse cow the per-
mearly rocords count for fittle when

## A Son of a Canadian Champion

We are offering a 2 mths, old son of Lady Segis Walker, our Canadian and World's Champion s, 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 herd sire.
We also offer a gd-son of Lady Segis Walker-a splendid chap, neadly turned and rightly bred.

Ed. B. Purtelle Bloomfield, Ont.

## WANTED-REGISTERED FEMALES

1 am on the market to purchase a number of registered Holstein females
 you have to offor. Kindidy stath in four
Information with photo of each animal.


H. W. PARKINSON, R. R. No. 5, Hagersville, Ont., Haldimand County LOVG DISTANCE PHoNe

LEAR SPRING FARM HOLSTEIN HERD HEADER

 is rikht in every way, and a nast-ciams
or correspondence, reanraing this bull

$$
\begin{aligned}
& \text { or corresponde } \\
& \text { J. C. JAKES }
\end{aligned}
$$

MERRICKVILLE, ONT.

## VILLA VIEW OFFERS FOR SALE

choice bull enives all sired by our $82,000,351 \mathrm{~b}$. AlCARTRA bull. The de-
mand has been kreater than the supply. 60 head in the herd and only : bulls th the lot
ARBOGAST BROTHERS. . . . Sebringville, Ont. Begistered Holsteinst from our grand herd a ree, Echo Segis Fayne, whose sire is half-brother to Segis Fayne Johanna, the world's wonder cow, that has fust made
if you need a well backed buil write at once.
JOHN M. MONTLE, sunnyalde stock Farm
STANSTEAD, QUE.

## Lakeview Holsteins at Auction ma

If you want to get high record, tubercular teasted stoek, that is fully guaranteed, don't miss the consignmen
MAJOR E. F. OSLER, Prop.
T. A. DAWSON, Mgr.

## Holsteins For Sale


 couol you at attractive prices.
Apoly Apoly at
NORFOLK
NORFOLK HOLETEIN.FRIESIAN BREEDRASLUB. Alex. Wallacen sece Sime

## CREAMERY FOR SALE


overy diyl Price reasonable Must BOX A, FARM A DAIRY,

## AYRSHIRES

## FAIRMOUNT AYRSHIRES

 largo neavy producing hish testung cown, sired by Robin Hood of Fairmount,
 EnDG3. Inspect

## PEACH BLOW AYRSHIRES

Toung Stock for sale, Niways on hand (both sexoa), from high-teating


D DAIRY
compared with the work of Crimson are on the market. There will be an
tiambler, whose nine A.R. reoords aver averace of three-quarters of an acre to


 Record.
1 st 2 $2-\mathrm{yr}$.

Clasy 7,988 277.66 Aug. 22, 1906

 8,001 306.21 Dee. 12, 1907 | 9,036 | 329.91 | Feb. 1, 1, 1909 onl |
| :--- | :--- | :--- | :--- |
| to |  |  |

.

8 Cth ,


## .



## 

## E

C three-year-old Holstein, heifer, Duatry ada as Dalisy Woodiand Dewdrop, 31619, was bought from Ge0. T. Prouse of Og
trander, Ont. at the sale of Holetins
held at New Weatiningter, Oct. 13, 1916 . held at New Weatminater
Her performance is as followa: 7 , daybi
milk.
 buiter, 184.65 1bsi: 60 days milk, 8,440
jbs. butter, 253.06 tas. She fremened
at the age of 3 years, 3 months and 14 days. most remarkable part of this re-
The
cord is that we stopped $3 t 2.69 \mathrm{lbs}$., but
 Her record for seven days was made bi
days from calving. She grave us a nlte
heffer calf from Colonel JTeKinley Segis DoKol.i. M. Wayther, Supt. Lodge Von
Hefm, Kent, Waahington.

## Postal Card Reports

Correspondence Invited.

DANVILLAG, June f.-We have had a
cold, backward spring. Seeding is fully cold, backward spring. Soeding is fully
a month later than last year. Many of
the farmers are stil working on the land. the farmers are still working on the land.
Pastures are fairly god. Potatoes are

s3 per bus.; butter, 12e; egist, 40 c .-M. | 53 |  |
| :--- | :--- |
| D. | Ber |

LEEDS COUNTY, ONT.
MALIOF XTOWN, May 24.-The spring
has been tackivard and cold. There is a Thes been lackivard and cold. There is a
third of the $y$ ialn to be nown yot. Soed
potatoes hive been scaree and a carlond potatoes hive veen soarce and a carlond
which ammy into Mallorytown was taken
ap quickly. Men crowded and fought
thelr way ap grolekly Men crowded and fought
thetr way to the and and the whole ear
was gone ta two or three houra. Help is
Nery acarce. 1 am working
and am doing it alone.- $-\mathrm{A} . \mathrm{P}, \mathrm{C}$. mi. Holtby. w. CLEMONS.

TWEBED, June 5-The last fow days
have been favorable for planting, and have been favorable for planting, and
farmers are fnishing their hoe crops.
Meadows are making alow growth, but With favorable weather would soon im-
prove. Spring grain is doine, well, but promlsing. Hogs have dropped to 16 C per Ib , and cheese to 18 c per $\mathrm{lb},-\mathrm{H} . \mathrm{s}$
DURHAM COUNTY, ONT. GARDEN HIII. June it-Growth in
field, orchard and woods is two weeks later then umal. Trees are only now coming in leat, and bloom. Kenpis cattie in the stable so late in the sea,
mon has made a number of empty
barna. Grass has been short and the coras, Hign Testera, Choles Youns
Bulls and Bull Calves and a fow Cows
 up yet, and it will be late before the

| We are oftering a splendid young Regtstered Jersey sire-neat and trim and the oholeest of breeding. Henry Giendenning a Son, Manilla, Ont. | Ready for Service |
| :---: | :---: |

WATERLOO COUNTY, ONT.

 are plantedi also potatos: nome new
meacown have ben powed and sown to
buckwheat or millet. Cattle are high



EDMONTON DIST., ALTA. Honse Huls, May 28. Woll, here


 rain and sunshine. The grain is up
throuth tho groun in six days atter
planting.- $\mathrm{G} . \mathrm{E} . \mathrm{T}$. NEW WESTMINSTER DIST., B.C. CHILLWWACK, May ${ }^{28 \text {. - Ensillage corn }}$ Considerable more corn than last year
beins planted. The hard winter and
 ery bare, thus causing farmers to jooke
o other porces han the hay crop for
anter feding winter feeding. Mangels are up and are
being hoed for the first ume. The new Traser Valley Milk Producers' Associa-
ton, Limitedith heodquareers in Van.
couver, is hinding almost ail the millic
 for milk and
cream. - N.E.

Holstein-Friesian Records
11. The Quakeress, 4045, 1y, 11 mm . 10 d :











HOLSTEIN-FRIESIAN ASSOCIATION






 The president on his opening address
 Americea An ar of patristism cattuo in
the meeting throughout. Increased prod
and
 ing. increased milk production, rearing ail
of our calven and by eliminating waste,
pe pailen.
 stein- Friesian cattle have must be Holraind. Future work along this line will
be directed with the ldea of intereatin dairymen in with the Ideal of interesting soclation expercts, wh hawe a this, the ass
fuence towards creating a poative inmand for Holatein-FYlesian areatere de. thus to a permanent improvement of the The dentratillty of maintaining the beectors are branching odat, and the ning to mould gheir herds at the berding to ful digpereal sales have bean very successthe country. and avorace held all over ruled hish. The Advarced Registry DVe work of the Holsterin-Frimesian AnsoclCW. is to exceneas of the increase in the

 guass, The questlon of prize man omn
milk, low in then fat, is not adrocet to formulne new rulesmittee will have up, voted 95.000 to help earey breaking
Work of the
National
Dairy HOLSTEINS ATTTHE C.P.R. DEMON. $\mathrm{S}^{\text {UPT. Wralker writes: "Our Holstean }}$ peen fomales and 14 matles. Wo have,
 grate of Ayminrehires and a fow oood
breeding.
Junt
Bhorthorn and Holatoln gard to the ration word in passing in recaring for the silo takes Arst plaeo In
daliry cow, and Atplying feed for the
 tured, well-eared corn have not the maCarmers ralae, but we can nill the ontario fllodder that stands next to good worn some corn. Corn oots and peas with
srown to maturity, bue in far, has not corn that produced but tons to we ralsed
 his year of similar silecting another in ailo
 and oat chop, Which is fod at theery rate of
about one pound of meal to three pounds "We hace done. and are doing, consid-
erable tenting th the Record of Performances and have made some coedtioblorme-
cords a few of the cown that have
made good are


As a two-y yar-old Princess Vida Pietortse
 ability. In hor hat laetation period 1910 , averaso teat of 1.409 per cent. milk, with an
 rent of the berd. handied the tame as the
Wemered havo this cow now entered in the Record of Pertormance



 Having references to our Houch better. aty that he hayna Moccthildo 2nd, Would pion in the Record of two-rear-old whameer. As on Indik and 846.25 limaoe oo but-
 two youns of ase of them now notiring
proming bunch of hettern.

THE SALE AT OAKVILLE
$A^{\text {sMuN }}$ of Holisteins that in attracting Ainstion stein breeders bo mongst the Holnesday, June hoth at Oakvilie on Wedror tith salo aro being contributed by veveral promineat broedora oveributid by Farm, Clarkanon: Gooderham, of Manor
 of Waterloo it to plannod to manke this salo an annual sernir, and the oontribubl attendance from year to year. it. M. Holthy is consigning yebout nine dam is oy Klage is a young bull Whose oree-quarters brother to Artmannin 350, , Horld's record junlor two-year-old beltor,
 EVery over 100 Ha, milik per day nition these is a granddauphter of King Segis,
 thend and right In youngor femalas
there are two partiocuiany fine heflers due in August, Dine from $31-\mathrm{m}$ hefers
year-old. They year-old. They are both particulariy
Erowty and fin good condition to start record maldine From his hord at Clarkson, Gordon 8. Goodernam is contrging sioven head.

 ef animain the temales oftered are test-
athend moat of their 1140 ahead of them. Win moat of their life
one is Manar is. Dicule good
 47.9 lbs milk Her averase of ago from
 hilier, welehting 1,500 or mone Her ayerace fat test eblity for hard work other fne one from the Manor Farm herd
is Manor P. H . Arsat moor P. Pi Canary, who wth her

 ance coming from the heris of the balOsler at Bronte, and Anthony Cles, of Waterioo
STILL EETTER HOLSTEIN BLOOD
FOR PRINCE EOWARD COUNTY, L HAYBNS and Furbille, the mell- -known Holstein breeders. of Bloomilald, On-
tario, havo recently
made arrange ments by which 111
In thelr the hade nerrange-
Haedr heiferg Anery's herds milre, Cbe bred to Mr. An C. . Pontiac, a son of the Ereat Mray Evivia
Sylvia. Theso helfer Sylvia, Theso helifers Ereat May Eoho
of King Segis Pontic Spofford, daughers

 Ahua combines in him the finest blood of
 Yene and Purtelle aro to be congratulated
 ing the resulting records froed thits not-

Good erade herde alwaye have a frst class pure bred stro behind theme a frat
there are two or three sood sires fin if it chare are two or three sood sires in auc-
Canton the herd tmproves acoordingly.


## Holtby's Consignment-

PRINGI CONCORD CRGAMMEILE (29370), a fine byll
caik born October 12th. His sire is brather to PIETERTVE, 30.38 thes., the world's record to HET LOO old, being sired by PONTTAC KORNDYKH HET ${ }^{2}$-year of any bull in Cannditers are making the best average
fay ban Canada.
1 Dam of Sire is ROXIE CONCORDIA, 100 lbs . milk in 1 day, and 30 lbe . butter in 7 dinys. Dam of this calt is sired by KING SEGIS PONTMAO LAD, $3-4$ brother to the
$\$ \$ 0,000$ bull.

FEMALES-SNOWBALL SEGIS, a daughter of the 29 son of KING SEGIS, SIR AAGGIE BPEFIS SEGIS. VIOLA
DeKOL 2nd, an 18-1b. Cow, dam of FAYNTe SDCIS Dekol 2nd, an 18-1b. cow, dam of FAYNR SBGIS DeKOL, Guelph, under 36 montha.
FRRANCY BONERGE
cow, berself an $11 / \mathrm{lom}$ VEISTRA, dauchter of a $25-\mathrm{kb}$. 11.28 at 1 year and 10 months. METHNIGHT KORNDYKE, MERCEDESS 2nd, 11 lbs. Aleo 2 large, well-grown heifers due August 5th and 6th, one trom a $21-1 \mathrm{ld}$. 8 -year-old, the ther from a 14-lb. 2 -yearold, with a $20-\mathrm{lb}$. granddam,
sECURE A CATALOGUE and look up their breeding.
R. M. HOLTBY
R. R. No. 4

PORT PERRY, Ont.

## World's Record Breeding <br> WILL BE FOUND IN THE LAKEVIEW OFFERNGS

Jume 20th, four richly bred individuals, all tubercular teated, and
fully guaranteed.
No, 1.-Fmma Pauline DeKol-Milk in 1 yr., as a 3 -gearold, 14391 1bs. Her last two calves sold brought $\$ 350$ cash. No 2 Pi
No. 2-Edgemont Toitilla-A very promising young cow of a strictly
Dairy type. Her dam fo Toitilla or prer plon year cow, 24094 milk. Buter She is bred to freehen Aug. 21et, 1917, to Dut. Av. test, 3.5 per ceant of the Canadian Champion Sr, 3.yeerold, Dutchland Col. Sir Mona, sire Av. teat, 4.88 per cent.
No. 3.-Lakeview Colantha Sir Wayne-(Bull)-His dam, G. a 1964.5. Butter, 100.46 ibs. ${ }^{2} 7$ days, 23.88 lbs. Milk in 30 days, by Dutchland Colantha Sir Mona.
No. 4h-Lakeview Count-(Bull)-A taultless individual, well marked and whose 10 aearest dams average over 28 lbs. butter in 7 days. He plon Sr . 3 -year-old butter cow, 34.66 pbs Dutch. Artis-Canadian Cham also three-quarter brother to Lakeview Heng We.88 per cent. He is pion and Grand Champion at Toronto and London Fairs, 1916. Cham-

# Lakeview Stock Farm BRONTE, ONT. 

MAJOR E. F. OSLER, PROP.
T. A. DAWSON, MGR.

When You Write--Mention Farm \& Dairy

#  <br> King Segis Pontiac Poseh <br> A Great "7" to Oakville Sale FROM 

(has a call.)
Our Senior Herd Sire
Several oe the fomales will
bo bred to "giag."

## 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 Poseb.
2. Manor P.H. Gem

This heifer made 19.61 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 boll calf by King Segis Pontiao 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 8 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 10.19 lbs . butter and 344.8 lbs . milk in R.O.M. as a

## MANOR FARM

## Gordon S. Gooderham $\underset{\substack{\text { Manor Farm } \\ \text { Holteins }}}{ }$ Clarkson, Ont.

> THE SALE Meet Your Brother Breeders the seison at the OAKVILLE SALE

45 Head Registered \%GRANDOLSTEAN:"mem

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

 the year. Quality and nothing but Quality will be there, in explained, he decided to spare the number histed, confident that 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 cattle 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

WEDNESDAY JUNE 201917

## CONSIGNED BY

This sale promises to be one of the greatest Holstein events of greater than supply, however, when the object of the sale was both young and mature stock. Forty head-and only five the result would be the establishment of a high elass Annual

## BAEN BEGINS

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

Gentlemen I Plan to sttend this sale on the 20th inst., at the Agricultural building on Oakville Fair Grounds. Seating eapacity for 2,000 people. Oskville 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 Catalogus. Study the merits of the animals, the value of their breeding. Join in on the oceasion and get one or more of these good ones.

2-year-old. At 4 years she has to her credit 21.01. lbs, butter 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 Poseh, with 23.963 lbs . milk and 940 lbs butter in R,O.P.

## 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 elean. His dam is one of our fineat 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.


[^0]:    morr's Anst of addinase siven at Weatern Ontarlo Datry-

[^1]:    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.

[^2]:    W. Particulers from Canadian Pacific Ticket Agents ar

    W, B. HOWARD, District Paspenger Agemet, Toronta, Om

