Issued Each Week-Only One Dollar A Year


HUMSHAUQH KATE, AN AYRSHIRE HEIFER THAT IS PRACTICALLY IDEAL IN TYPE
This pure bred Ayrshire helfer, owned by A. Hume Co., of Menle Ont., was the first prize senior helfer oalf at the Canadian National Exhibition, Toronto, and with her full sister won the award offered fer the best two antmats the progeny of one oow Nhe was atso a prize winner at the London Exhibition last week. This heifer is the type the expert breeders seek after, Notice her open nostril, broad forehead, strong jaw, long lean neek that blends nicely with the shoulder, her straight, strong, baok, unusual length of barrel, her depth behind the shoulder and her well sprung rib, denoting a strong constitution, and the dairy qualities of her hind quarters. Helfers like these make money for the men who own them. We need mare of them. Mr. Hume may be seen holding her.

## DEV

## BETTER FARMING AND

 Ganadian Gountry Life
## the dominion exhibition at ottawa

Why You Will

## Prefer THE "SIMPLEX"

In preference to all other Cream Separatars is because the "Simplex" ist

## So Simple

3o Eacy to Turn So Eagy to Clean
So Porfect in Skimming
So Quick in Separating
So Pleasing in Appearance Self Balancing
Seldom out of Repair
Seon Pays for Itself
LASTS A LIFE TIME
There are other advantages in favor of the "Simplex." These are explained in our-literature, which will be mailed to you free on request.

The ease of running, ease of cleaning, simplicity, self-balancing bowl, interchangeable spindle point, low-down supply can, the general pleasing appearance, and the perfect skimming of the
"Simplex" make it the favorite everywhere it gees.

Then, too, our large capacity machines, so constructed that they turn more easily than most other separators, regardless of capac-
ity, will enable you to separate your milk in half the time. This ity, will enable you to separate your milk in ha
is a great advantage it will pay you to enjoy.

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Write to us for full particulars about the "Simplex" and our special terms to you to use the "Simplex" and represent us locally in your district.

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##  About Them

Some Women tell fortunes,- all help spend them.
Man's pocket book is always safe,-the Womsn's is always handy.
Convince the Woman that your goods are right,-she'll sell them to the mily.
The Woman studies where and what to buy,-the man works to pay the bills. The man may be the President of the home, but the Woman is the PurCoing Abl
Department atore managers know
that by eccuring the attention and
that by eecuring the aitention and
interest of Women, the maximum of
nate salee can be made, not only for
things for Women's own personal usee, but for the needs of the entire household.

Therefore the modern department atore directs about 95 por eent of ita
advertising to Women and about 80 per cent of it tisplay space ts devoted to goods that appeal to Women
as buyers.

A prominent department store man purcanasee of strictly men's of the purganses of strictly men's goods are
sugged or influenced by Women
in convineed, the fact if the Woman in convineed, the sale is two-thirds made to her family, and this statemate that 85 per cont of all patichases at dopartment stores are made by wompartment, stores are
fluenced by Woment, or are in-
We recognize in Farm and Dairy this great influence that Woman wields
We will give the farm Women of this country our Fourth Annual On Ocober 10 we will give the farm Women of this country our Fourth Annual
Sprecial Household Magazino Number, all devoted to Women and to Woman's Sprcial Household Maga:
activities in agriculture.

Do you believe in Women ? You believe in Farm and Dairy! Then need we give you further argument ase to why you ahould be in
our Special Household Number, October 10?

The Central Canada Exhibition,
held last week in Ottawa, was this held last week in Ottawa, was this
year conducted as the Dominion year conductod as the Dominion grant of $\$ 50,000$ offered by the Dominien Government. This enabled
the manavement to the management to greatly increase the prize-list and helped to bring though the increase was not us large as might have been expeoted owing in part to the unfavorable season making it difficult for farmers to cem-
pete, pete.
Showers on several days tended to
keep down the attendance, although former records were broken in this respeet on a couple of days. The management is to be ecngratulated on having kept the exhibition clear from the fakirs which have disgracod
this exhibition in the past. The this exhibition in the past. The
Midway was more than double in exMidway was more than double in ex-
tent that of the Toronto Exhibition the week before, but games of chance were net in evidence.

## phovinetal mxhmits

The British Columbia Government made a creditable exhilit of fruit and other products of that province, which attracted much attention. It Was also well represented by oxhibits in the borse and dairy cattle classes. In the horticultural beildings there was a creditable exhibit of fruit and
flowers, as woll as of vegetables. A censiderable number of the awards for fruit went to exhibitors from the
Niagara distriet. The agrieultural Niagara district. The agricultural
societies of Ontario, through the department at Toronto, made an attractive exhibit of seed grain, grain in the sheaf and fruit, similar in character to that made the week before in Torento. The Cevtral Experimental Farm also mado an exoel-
lent exhibit of corn on the stalk, lent exhibit of corn on the stalk,
grain and fruit, and displayed grain and fruit, and displayed
charts showing the results of varibus experiments conducted at the farm. There was an interesting exhibit of insects, with information eoncerning them, by the Entemologieal Division.
lanae knthy of horshs
The classes for loth heavy and light horses were unusually well filled. The competition in some classes was even keener than at Toronto. Olydes
were out in good numbers. most marked increase in exhibits was noticeable in the Perchercna, which
were shon were shown by a number of the leading importers and breeders of that breed. A more extended report of these classes appears elsewhere in this
issue. issue.
meky cattle classea
As usual at Ottawn, the beef catde classes were not as strong as the dairy. The prineipal exhibitors were
R. W. Caswoll, of Saskatoon, whe won $\kappa$. Wast of the championships on both
mon males and females; Senator W. C. Edwards, of Rockland; W. A. Wal-
lace \& Son, of Kas. lace \& Son, of Kara; H. L. Emmert, Oak Bluff, Man.; R. \&. Nieholsen, Jas, Leask, of Greenbank; J, Gard-
house \& Son house a son, of Highfield; Kerr ${ }^{\text {a }}$
Davidson, Balsam, Ont.; W. R. Davidson, Balsam, Ont, ; W, R.
Elliott \& Son, Mitehell Bros., J. H.
Melick, Edmonton Altn Ry Melick, Edmonton, Alta.; Kyle Bros. Ayr, Ont., and one or twe others. Most of the exhibitors mentioned showed only one or two animals, and
all came within the prie money, all came within the prime money.
All the prinelpal awards for fat Son. Were taken by Jas. Leask a

The Ottawa Exhibitien
noted for its fine exhilit of days eattle, and this year was no exception. As usual, the competition in the Ayrshire classes was particularly keen. Men who had been exhibiting for years stated that they believed the and best ever made at an sxhibition
in Canada. Some idea of the quali of the steck shown may be gained fr shown by R. R. Ness, of Howic Que., comprising a bull and for females, has been bought by it Baker, of Buffalo, for $\$ 20,000$ Millan that he can induce $\mathbf{M}_{r}$ Millan, of Huntingdon, Que.,
as his farm foreman for three as his farm foreman for three year This is the largest price ever offerel in Canada by an individual purchaser for five animals of one breed.
There was a good exhibit steins, Jerseys and Guernseys, the number of entries, excep Maritime Provinces captured mos Maritime Provinces captured most
the awards, was little or no greate the awards, was little or no greate
than in former years. B. H. Bull Son, of Brampton, had matters mup their own way in Jerseys, althourg Mr. Ball, of Roek Island, Que., made a number of winnings. Mr. Dolsch of Alloa, placed the awards for Jer ed report of the Ayrshire and Hol stein classes and the awards is puh lished elsewhere in this issue

## Larae bheze kxmmit

There was very fair competition pracsically all the clnsses for shiep including both long and shert wools
the prizes being pretty well divile in prizes being pretty well div
exhibitors were Panl Sylvestery exhibitors were Paul Sylvester? sene Denis and Thos. Allan
Leicesters, Jas. Snell and Allan, and in Lincolns, Denis
Sylvester. South Downs were Sylvester. South Downs were sh
by Alfred Ayr, Geo. Baker and Carr and Shropshires by J. R. Kelsey Paul Sylvester, Alex. Dow, A. Dums and J. C. Stewart
The principal winner in Dcret Horned was R. H. Harding, of Thorn dale, with H. F. Goff and Alfred Ay taking a fair share of the prizes
Suffolk and Hampshire Downs Suffolk and Hampshire Downs were shown by Sylvcster, Denis, Kelsey and Ayr; Oxfords by E. Barber, I (oht. Brigham and P. Sylvester and Cheviots by Guy Carr, H. F. Gioff and Jas. Parker. All the exhibitors mentioned wery, within the prize
meney. The prizes for meney. The prizes for fat sherp
were divided between Geo. Baker, J. were divided between Geo. Baker, J
R . Kelsey and Alfred Ayr. Th. awards were placed by Mr. Gibso of Denfield, and Mr. Archibald, the Experimental Farm.
swing mxhimit strowe
The exhibit of hogs was larger than at the Canadian National Exhibition at Toronto, there being competition in practically all elasses. A large part of the exhibit was furnished by western Ontaric breeders, who won
most of the awards. In Tamworths. Douglas $\&$ Harvey, of Freilsburg,
Dourds. In Tammorns. were prominent. In Yorkshires Fetherston and Harvey, and
Chenters, De Courcey and M Miller, of Brome Centre, did well Mr. Miller, a new exhibitor, showed 1 p preminently. Paal Sylvester and Tharvey also showed in this class The prizes were placed by Mr. Jones,
of Zenda. of Zenda.
macuneay bximata
The large new machinery building was fairly well filled with ex. hibits. A popular exhilit was that of the milking machine, demonstrations of which were given in the cattle stables. The machinery building nut being quite completed, was rocfed part by canvas.
One of the chief defects the Ottawa fair suffers from is its lack of railwny accommodation. Until the manage ment succeeds in having a spur lite run out to the grounds, it cannot ex pect to have the exhibit that it other wise wculd. Everything considered,
the exhibition was the exhibition was a success, ands showed distinct advancen in a number of departments over former yeara.

Issued Each We

## XXXI.

absent from the fail to develon u are potassium, n must be in avail plant life. The quired ly differe of oats, turnips, the soil the follo
NMr. Northeott's $f$
No. 3 in the first
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Ideas on crop rotat deas on crop rotat
of the year, When of the year, when
to plan for fall plo

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## I SUCCESSFUL FARMER'S VIEWS ON CROP ROTATION. HIS PRACTICE.* <br> S. A. Nof leott, Ontario Co., Ont.

Differest Conditions Require Different Rotations. A Knowledge of the Principles of Rotation will Enable One te Select the Right Rotation. An Exposition of these Principles. What Mr. Northcott

## Does on His Own Farm.

WHY is it that more farmers do not follow a regular rotation of crops? Most of us farmers follow a change of creps of some sort. We do not as a rule grow the same crop on the same land year after year. The change we make, however, is not as a rule made in order to follew any definite pian or rotation.
Crop rotation may bedefined as the growing of profitable erops in a regular succession so that the growing crop will make good use of the available plant food and still leave the soil in such a shape that better crops may be grown year after year.
There are no hard and fast rules that can be laid down why any particular rotation should be followed on any or bvery farm. Each farmer must work out his own rotation to suit his own farm. The lay of the land, the kind of soil, its fertility, freedom from weeds and the kind of crop to be grown we have to take into coneideration when deriding on a rotation. In order to study out the rotation most suitable in any particular case, it is advisable to study the principles of rotation and then apply them to our case.

|  |  | Phos- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Bus, an | Nitrogen. phorus. | Pctassium |  |
| acre. | Lbs. | Lbs. | Lbs. |  |  |
| Oats $\ldots$ | 60 | 65 | 24 | 62 |  |
| Turnips... | 600 | 68 | 48 | 176 |  |
| Potatoes. | 150 | 29 | 11 | 414 |  |
| Corn ... | 12 tons. | 67 | 26 | 89 |  |
|  |  |  |  |  |  |

A poundation prinotiple
While all farm creps are made up of the same chemieal elements, the proportion in which they use these elements is different. Our chemical knowledge of soils is very incomplete. It has, nevertheless, been thoroughly established that a fertile soil must contain oertain substances to permit any crop te come to maturity upon it ; these substances are potassium, calcium, nitrogen, phosphorus, magnesium, sulphur, iron and probably chlorine. Let any one of these elements be absent from the soil (or its moisture) and creps fail to develop upon it. The three chief elements are potassium, nitrogen and phosphorus. These must be in available forms, so as to be of use to plant life. The proportion of these elements required ly different crops varies widely. A crop of oats, turnips, potatoes and corn will take from the soil the following weights of these elements:
 Farmis Oompetirtion year of the Interprovine inal Prixe
 ideas on erop rotation will be of value at this serason to plan for fall plowing and the are alinondy beginning to plan for fall plowing and the rotation of nexi yuar.


A Grand Good One-Firat in a Strong Class at the Recent Canadian National Exhibition Mr. Spiey Lase $30,598-(A n g$. at 20,1940 ), bred by Alxx. Hume a Co., Menie, Ont., and exhibited by

 The eamera "elicked, unfortunately Mr. Hume had his handa \& hold of the hoiffers noise, and
in paintigg out the hands the artist rather marred the striking beauty of this animal. Note
 nitrogen. nitrogenous fertilizers.

As the different crops differ in their ohemical composition it is necessary, if the best results are te be obtained, to apply a fertilizer that will meet the needs of the crop to be grown. For instance, a large application of barnyard manure applied to a field of oats would likely cause an excessive growth of straw at the expense of the kernel. If we had made the same application to a root or corn crop the yield in these crops would have been satisfactory and the land left in good shape for a crop of oats the following year.
The range of reots and the power of assimilating plant food differs in different crops. The cereal crops are generally shallow rooted. Corn roots, elover, etc., are deep feeders; hence a surface feeding oron may follew deep feeders without deep eultivation. In faet plowing root land is often a bad policy as it turns up weed seeds to grow in the following crop.

The most important point in the rotation is the
frequent growing of leguminous orops, especially clovers. If, for example, we are growing cereals continuously the soil will become deficient in humus and nitrogen. Clovers supply humus and

Nitrcgen is the most expensive element required for plants, and also the hardest to retain in the soil ; but clovers, by means of the bacteria on the roots, oltain the most of their nitrogen from the air. They net only use this nitrogen for developing the clover plant, but nitrogen is stored up in the roots and becomes available for the crop to follow. Clovers, theref re, de not need

Some cereal crops are easier feeders than others. Oats and rye are able to obtain a good growth where wheat would starve.

Dtsththute aHE work
A third principle in planning our rotation is the difference in the length of time it takes different orops to come to maturity. To be economical in fertility and labor we want a variety of crops. Spring grains mature in a short time, root and corn ercps later in the season and hay and clover fills in the remainder of the growing season. Rotation as a means of destroying weeds, fungi and destructive insects must be considered. Weeds are a curse to the farming community. But where regular cultivation is not follewed and they cause cultivation to crops which would not otherwise be given they are a decided benefit. Hoed crops need cultivation. Where these crops are grown we have a good chance to clean the land without a summer
fallow.
Fungus diseases, such at potato scab and those causing rot, will live in the ground over winter and will be detrimental to that crop if grown on the same ground from year to year. Insects, such as white grubs and wire werms, which live in the ground, are killed by being interfered with through a regular rotation.
larokr orops masity porsmais
Rotation will take from a field a wider range of ingredients. For example, we generally get a good erop of grain after putatoes or clover. The cereals need a good deal of nitrogen and phosphoric acid. The potatoes only use a small percentage of these ingredients, while the olevers use a large amount of nitrogen, lut they obtain the most of this from the air.
Rotation reduces the risk of the farming business. When a rotation is follewed we not only get larger crops, but should a season be unfavorable for any particular orop, it will be favorable
for something else. Last year, for instance, was an off year fer grain, but our corn did well.
help3 solve the lahor problem
Rotation will enable a farmer to distribute his work more economically. One c:op following another gives us time to attend to each in their turn.
Alfalfa is cne of the most important crops that we can grow on our farm, yet it interferes somewhat with a rotation. This crop we cannot do without, and in our own experience with this crop we have left the alfalfa field out of the rotation altogether and divided the rest of our farm for a three-year rotation:
First year-Hoed crops: Corn, rocte, potatoes, ete., with barnyard manure applied; remainder of section in pasture. Second year-Grain and seeded down to clover and timothy. Third year -Hay.

## why a thrab-ybar hotation

This rotation may be shorter that is wanted in seme cases, but we wanted to keep some perennial weeds under control without summer fallow. We a'so wanted all the clover we could get, and therefore adopted the three-year rotation.
A four-year rotation is alse a good one:
First year-Roots, potatoes, eorn, etc., filling in the section with peas, rape and se forth. Manure applied to this section. Second year--Grain and seeded down. Third year-Hay, mostly clover. Fourth year-Hay and pasture. mioht by betanck
Either of these rotations are in accordance with the principles of rotaticn. The manure is applied to the corn and root crops. The land is cultivated, kept clean and put in good shape for the grain to follow the next year. The roct crops being deep feeders are followed by cereals which are shallow feeders. Then we have the clover crop, which obtains a portion of its focd and moisture from loth subsoil and surfaoe soil and nitrogen from the air. Clovers also store up plant feod to be used by following crop.

## Why Milk Cows for Fun?

E. F. Eaton, Colchester Co., Ont.
"Two-thirds of the farmers who own cows are milking them for fun. They realize no profit on the feed consumed; to say nething of the work involved in care and milking. But that is not the the worst of it. One-half of this number who are simply milking their cows for fun, are actually paying the cows for the fun they are having. Some of us do get a great deal of pleasure out of milking cows, provided they are making a profit, but when it comes to a turning of the tables we fail to see the joke. There is a deal of satisfaction and incidentally considerable pro-
fit in knowing exactly who is paying the bills." The foregoing paragraph refers to United Siates conditions. It is the way in which the Farmers' Review of Chicago comments on a statement, the currency of which is vouched for by Prof. Van Pelt of Iowa, one of the greatest dairy experts in the United States, that twothirds of the cows in the country to the south


## Forty Pounds of Milk at a Milking

How would you like to get some 40 lbj , of milk at one monthis? That is what this Holatoin oow fare in the show ring at the Ottawa Exhibition last week. Bhe is Pride of Orehard Hiil, owned br A. C. Hardy, of Brockville, Ont., Whone manager, Ir. Lovan, is hero shown with a heaping pail of milk after he had milked her ite. butter in a weok. She won seoond at ottawa. where there were those who thought ahe should have been placed firs:
-Photo by an editor of Farm and Dairy.
of us do not pay their way. We have just as good authorities in Canada as Prof. Van Pelt, and the tell us just the same story. The estimates given by Mr. Chas. F. Whitley, for instance, after wide investigations, show that conditions in Canada are approximately the same as those in the United States referred to in such a sarcastic manner by the Farmers' Review. I have a few figures of my own on the subject. Here is the way I figure profits from our own average Canadian bossy:

## EXPENBKS FOR ONE AVERAOE OOW

| 1 ton of hay | \$10.00 |
| :---: | :---: |
| 1 ton of straw | 4.00 |
| 1 summer's pasture | 4.00 |
| 2 tons ensilage | 4.00 |
| 121 hours' milking | 12.10 |
| Total | \$34.10 |
| Rechipta |  |
| 3200 lbs. milk | \$82.00 |
| Profit |  |

Say, it must be fun to milk a cow like that !


The First Prize Holstein Herd at the Ottawa Exhibition Last Week
This inuutration, secured from in emall kodak on a dark afternoon, does not do this herd fuatioe. It is owned by A. O. Hardy, of Brockville, Ont., and suoceeded in defeating two fine herda shown by the Oolony Parm, of British Columbia This herd compria d the first prize aged bull, the second prise aged eow, the first
and seeond prise threegear-olds and the second prise two-year-old.

Those figures that I have given may be sub. ject to criticism. They are not drawn from my own experience. No, thank you. As long as I have to earn my daily bread by milking cows, 1 intend to avoid cows of that description. I did base my estimate, however, from information that I had got from some poor unfortunates living near me who always remark when thev see my cheese cheques, "Oh, yes, but then you feed." The incidental receipts from the cows, such as the value of the calf manure and of the whey returned from the factory, I have balanced by the cost of labor for feeding the cows, clean. ing rigt the stables, etc., and the value of the smikhiamount of grain that may be fed.

## mors to trla

But I have not given the whole story yet. In that average of $3,200 \mathrm{lbs}$. a cow there are thousands of herds in Canada that go away above that average. There are some herds that produce 10,000 and $12,000 \mathrm{lbs}$. of milk for each cow, and more still that produce 6,000 and 7,000 ths. a cow. That means that there are many herds from which the average yearly income cannot be more than $\$ 20$ or $\$ 25$. How many cows of that description would a man have to keep to land him in the poorhouse in five years, providing he started with a good farm and a fairly good bank account.

THE OHANER POR IM PROVEMENT
And yet the whole story is not told. If we would examine some of these poor herds, we would find some of the cows that were really making the tracks of the boarders. Dairying is a discouraging proposition as we find it on the average, but it is within the power of every one of us to improve our cows and our incomes, and the process is as easy as rolling off a log. Here it is. I have seen it tried, have tried it my. self, and so can recommend it:
Buy a pair of hanging scales. Tack a piece of cardboard against the wall back of the cows, and attach to it a pencil tied with a string: do not forget the string, otherwise the pencil will be lacking occasionally, and the records will not be complete. At each milking as you step out from the cow hang the pail on to the scale for half a second, and jot down opposit the cow's number, and for that date of the month the weight of milk produced. Three or four times a month, take samples of your milk and then have it tested for butter fat. A couple of hours' work some night vill show you then just which of your cows are worth keeping and which ones are expensive boarders. Then breed your best cows to a pure bred bull of a good milking strain, keep on breeding to good bulls of that breed, and a profitable dairy herd is assured. Likewise you will milk your cows with a whole lot more satisfaction than you ever did before.

## Shoeing the Colt J. Johnston, Bruce Oo., Ont.

A few years ago we had a very fine mare ruined by a cruel blacksmith the first time it was shod. We left this colt, of which we were very proud, in the blacksmith's hands, and in our absence he used the whip to it. It never forgot that whipping, and I have since seen a good blacksmith wrestle with that mare for two hours to get on two new shoes. And the mare is now seven years old.
Only a man who is naturally kind should be a blacksmith; especially when it comes to shoeing an animal for the first time. We have learbed wisdom since our first experience just related, and now if the colt objects to the blacksmith shop we have the blacksmith come and shoe it in its own stall, After this has been dene a couple of times there will be no furthet cibjections to the shoeing.


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aro liggere in
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among

We also fing out by handl before shoeing animal gets u. when it come will not know such as these have kindly di

Anen part of Devon cally everyone tiders this a w d to rent a f this advice by country longer it has already
At first this own section at rented for a 1 probably for se fertile section the farms that rented for a run-down condi I believe tha system of rent father had his could not be i sears. We we everything out On the other h: fertility the firs as much as the be the same.

I find that fo leased for mor the farm that four years is : would I have to best 1 knew ho crease of rent a The leases th filled with sma that are to be cultivation, etc. simpler to lease years and leave In that case he


A Popular Pack for Dressed Poultry The style of packing here fllustrated is the standand, single layer, roater atyle pack, with 24 birdo in
two layera. In the bottom layor the hendo and feet two layera. In the bottom layor the heade and foet aro upd in the top layer, down. All heade are
wrapped in parchment paper, and there is paper be Trapped in parchment paper, and there is paper be a faetory to poultry deatere, and is becoming more popular among the beet olasas of producers.
We also find that we can help the blacksmith out by handling and tapping the colt's hoofs before shoeing is ever taken up in earnest. The animal gets used to having its feet handled, and when it comes to actually putting on the shoes will not know the difference. A few precautions such as these are well worth while if we would have kindly dispositioned and easily shod horses.

## Anent Systems of Renting <br> 1. P. Willing, York $C_{o .,}$ Ont.

I am an Old Countryman, and I have been trying to rent a farm in this country. In that part of Devonshire from which I come, practically everyone lives on rented farms and considers this a wise thing to do. But when I startod to rent a farm here I was continually given this advice by my friends, who have been in the country longer than I: "Don't take that farm; it has already been rented too long."
At first this expression puzzled me. In our own section at home the whole country had been rented for a 100 years at least, and parts of it probably for several hundred years; and a more fertile section I do not know of anywhere. But the farms that I inspected bere that had been rented for a time were almost invariably in a run-down condition.
I believe that the weak point in the Canadian system of renting is the short time lease. My father had his farm on a 20 year lease, and rent could not be increased until the end of the 20 sears. We were, therefore, certain of getving everything out of the farm that we put inte it. On the other hand, if we skinned the farm of its fertility the first few years, we would suffer quite as much as the landlord, as the rent wouid still be the same.
I find that few farms in this country can be leased for more than one year at a time, and the farm that can be obtained for a period if four years is rare indeed. What inducement would I have to buy fertilizers and till a farm the best I knew how when it would lead to an increase of rent at the end of the first year?
The leases that a man can take out here are filled with small stipulations as is the crops that are to be sold from the farm, methods of cultivation, etc., etc. Would it not be much simpler to lease a farm for a period of 16 or 20 years and leave the management to the tenant? In that case he would do his best. Of course I
realize that in Canada land values are increasing rapidly, and it might be necessary to make arrangements whereby rent would increase as the land values of the section increased. That would not interfere with good farming.
It will probably be a long time before Canadians who have farms to rent will be willing to follow the Old Country system, but in the meantime I fear that many farms will be robbed of their greatest asset-the fertility of the soil. I have bought a farm rather than rent on the short lease system.

## Why a Country Life?

## L. K. Shaw, Welland Co., Ont

Two weeks ago I was passing througb Toronto, and while the train stayed on the tracks in the Union Station for 30 minutes or so, the car cleaner got busy. He was a capable, energetic man. The way he wielded the broom and dustpan made me wish that I had him down on the farm wielding the hay fork. As he was dusting the window ledge next my seat, I got into conversation with him. He informed me that he worked from six o'clock at night to six o'clock in the morning, 12 hours a day, and seven days in the week. He had had one holiday in six months.
He was a man in the prime of life, and looked as if he might have come from the country. I began to think of some of the boys at home who were dissatisfied with the country life, and planning to get away to the city at the first opportunity. These boy: for the most part know no trade and have only a common school education. What could they do in the city? Theirs would be the most menial of tasks, as carting goods, digging in the ditch, or, like my friend the car cleaner, cleaning cars for some big corporation. I would like to ask some of these discontented young fellows if they would like to clean cars from six o'clock at night until six o'clock in the morning, seven days in the week, and never get a holiday?
Would they prefer to hear the factory whistle to hearing the birds singing ?
Would they like to substitute the pure air of the blue sky to the smoky atmosphere that always characterizes the city?
The time will come when they will have families of their own. Would they prefer to have their children playing in the city streets and learning the vices of the city to playing in the pure open of the country and enjoying the beauties of nature?
Would they like to exchange the independence of farm life for the dependence of city life where every man must jump at the tick of the clock and the order of the superintendent
These are a few of the posers that I have for the boys when I get back home.

## Management of my Dairy Herd

## John Brown, Chateauguay Co., Que.

My herd consists of registered and grade Ayrshire cattle. The method that I have followed for a number of years in feeding my dairy cattle is as follows :
The roughage consists of ensilage, clover hay (when that crop is not a failure), straw, and roots. By another season I hope to be able to include alfalfa in the bill of fare, as I have seeded down six acres and have succeeded in getting a splendid catch.
The straw is cut up fine, as I do my own threshing. I run the corn blower with the thresher. As the straw leaves the machine it drops on the travelling table of the blower, where it is chopped up and blown into the mow, thereby saving labor in handling and space in storing in the mow. In feeding, the cut straw is mixed with ensilage and fed twice daily.

## ном

The grain ration consists of whole grain chop, a mixture of peas, oats, wheat, and barley, grown as a mixture and home ground by gasoline power. These combined with bran an dootton seed meal constitute the meal ration. I mix them in the following proportions: 200 lbs. bran, 200 lbs. chop, and 50 lbs . cotton seed meal.
My practice in feeding the individual dairy cow is to give one pound of meal to each three or four pounds of milk she produces, but I believe that no fast rule can be laid down as to the exact quantity for the individual cow. A great deal depends on the insight and good judgment of the feeder, for some cows may respond with a profit to heavy feeding while on the other hand others will produce as much on lighter feeding. I feed the meal ration twice day along with ensilage and straw.
Another feature that is essential to best success with the dairy herd is to see that the cows have access to pure water at all times. The cows should also be housed in a light, warm and well ventilated stable.

Change to stables.-Commonly speaking, the change to the stables begins by keeping the eows in at night. The milk-giving function of cows is easily influenced adversely by cold, and if they are kept out during cold nights there will be a shrinking in the milk yield. If the shrinkage is allowed to go on for any length of time, it generally stays down and is just that much helow what it might have been during the rest of the lactation period. As soon as the cows are put into winter quarters the feeding of concentrates should begin, if they have not begun al-ready.-D. D. Gray, Farm Foreman, C.E.F., Ottawa.


The Senior Yearling Ayrehire Hoifers at the Ottawa Exhibition
The exhibit of Ayrehire oattle at the Dominion Exhi, Iton, held in Otawn laat week, is believed to have
 grand
olama
-Phote by an editor of Farm and Deiry.

## AYRCHIRES AT THE DOMINION EXHIBITION. OTTAWA

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He can have Tamworth, Yorkshire or Berkshire, of either sex. Over 200 men, boys and girls have secured pigs since we made this offer of


Ayrshires made a grand showing at
the Dominion Exhibition in Ottawa last week. The competition was keen in almost all classes, in some cases as many as 16 animaly lining up before the judge. As the steek was brought out in grand show form and generally was most uniform in character, the judge, Geo. MoCormiek, of Rockton, frequently had his work cut cut for him. Nevertheless, his decisions gave general satisfaction, as but little gave general satisfaction
complaint was heard.
So strong was the competition and so high the quality of the stock shown, ineluding as it did many imperted animals, leading exhibitors stated that they believed the display of Ayrshires surpassed any previous exhilit made in Canada. The principal awards were taken by R. R. Ness, of Howiek, with the same animals that he showed the week before in Toronto, he showed the week before in Toronto,
although he met with keener competialthough he met with keener competi-
tion, find the prize money in mest classes was well divided. The championship for bull, female and herd all went to Ness.
In the aged cow class enght beautiful matrons were brought out. Four favored white, the popular coloring, favored white, the popular coloring,
while four showed more of the red while feur showed more of the red
marking that was the style a few years ago, and which still has many admirers. Auchenbrain Fannie 9th, the grand champion at Toronto, shown by Ness, again eaptured this award. Her stable mate, Finlayson Maggie, an almost ideal type of Ayrshire cow, that won first in the dry cow class at Toronto, was second; she having freshened in the meantime. having freshened in the meantime,
Although such an authority as Prof. Although such an authority as Prof.
J. Van Pelt, of Iowa, pronounced Auchenbrain Fanny the finest Ayrshire cow he had ever seen, there are many Ayrshire breedigrs who would prefer Finlayson Maggie. At Ottawa she was nct showing to the best advantage, but her beautiful dairy lines, depth and grand udder were mueh depth and
admired.
admired.
Senator
von third Owens, of Montebello, won third with Topsy. This cow
showed plenty of constitution, and was swinging a great udder. She was second in the dry cow class at Sherbrocke. Ness came fourth with White Beauty, and McArthur fifth with the five-year-old Barcheskie Lily. with the five-year-old Barcheskie Lily,
In the three-year-old cow class, five In the three-year-old cow class, five
good ones were produced. Ness again captured the first award this time with Beuchan Spottie. This animal is almost all white, and carried an almost perfeet udder, extending well to the front and rear, and provided with four good teats set well apart. She had a Lroad square quarter, and deserved the decision.
Gordon was second with Lockfergus Daisy, an animal never shown before. She had dairy type and a good constitution. McArthur's Cherrybank Milkmaid whe placed third. This grand little animal won first at Sherbrocke and all over the west, excepting Edmonton. She calved last Decenber, and, therefore, was not at Decetaber, and therefore, was not att
her best, or might have stood higher. her best, or might have stood higher.
D. M. Watt, of Salem Station, won fourth with Aucheltree Mill Dairy, a sweet cow, straight in her top and under lines that carried a gcod udder and well placed teats for her age, and possessed well developed milk veins. Fifth prise welit to D. A. MacFarlane, of Kelso, on Beauty of Kelso.

## a staone olass

Five good ones came out in the Oanadian bred clases for feur-year-olds or over. Floss, owned by Gordon, and never before shown, was placed first. She is white in color, deep, straight and well veined, and has a good udder. Watts, Pearl of Kelso, came next. She has a well aprung
rib, a grand udder, well placed tate and prominent milk veins. Third vent to MeArthur's Queen 3rd of Elmahade, a cow possessing excellent Ayrshire type, but lacking slightly in size. This animal, never shown before, has a good middle and excellent teats. MoFarlane was fourth with Lady Mary of Kelac and Uwen's fifth.
The two-year-olds in milk provided a strong class. Ness was first with Barcheski Loch Fergus Clip, a heifer possessing beautiful lines and great length for her age. Second place Went to the same herd on Burnside Dorothy, the second prize winner alse at Toronto. She is much the same type as Loch Fergus Olip, but not so straight in her lines. Gordon took third with Whities Lass, a ycung ani mal carrying a capacious udder and showing plenty of constitution and a showing plenty of constitution and a
nice handler. Owens won fourth with Ada of Riverside.

## bull Clabses

Only three aged bulls were shown. Auchentrain Good Gift, shown by Gordon, preving the winner. He showed length, depth and masculinity, and has done well since purchased by Mr. Gordon at the Ormstown sale last June. Second went to Leessnessuck Scottiah Thistle, shown by D. I MeFarlane, and third to Barcheskie ${ }^{1}$ Resedale, shown by Robt. Meharry, of Russell.
As was anticipated, Nees's Hobsland Masterpiece was an outstanding win. ner in the two-year-old olass, and later won the championship for bull of any age. This bull has been illurof any age. This bull has been illur-
trated and described in recent issues of Farm and Dairy. A real nice bull, Whitehill Free Trader, shown by MoArthur, was second. Senator Owent get third and D. M. Watts fourth.
dRy cow olass
A choice lot of nine cows came out in the dry cow class. All were white but one, and mueh the same in conbut one, and much the same in con-
formation throughout, Leing straight and long in the back, low dewn, broad in the quarter and possessing almost without exception beautiful heads. well curved horns and true Ayrshire type. Gordon's Monkton Snowdrop Was first, McFarlane's Stately of Kelso second, Watt's Barcheski Cir derella third, Gordon's Pansy fourth derella third, Gor

A fine sight was provided when the herds lined up before the judge. The first , prise naturally had to go to Ness's $\$ 20,000$ herd, comprising as it did the champion bull, the first, seeond and fourth prize oows, and the first prize three-year-old. Gordon made a splendid showing with his first prize aged bull, first prize Camsdian bred cow, first prize dry cow, second prize three-year-old heifer and third prize dry cow. McArthur wus third, Watt fourth and McFarlane fifth.

## THE AWARDE

Other awards were as follows
Yearling bull: 1st, Ness, Auchenbrain Seafcam ; 2nd, Gordon, Holehouse White Feather (imp.) ; Brd, Watts ; 4th and 5th, Owens.
Senior bull calves: lst, Ness, Burn. side Nellie Sensier, the Toronto winner; 2nd, C. Pillar, Russell, Unt., Fliva King; 3rd, Gordon; 4th, MeArthur; Bth, Owens. Thirteen animals were shown.

## Fhyalea

Two-year-ald heifer, dry : 1st, Gordon; 2nd, MeArthur; 3rd, Owens; 4th, Watte; 5th, MoFarlane.
Heifer calf, under 12 months: Ist, MeArthur ; 2nd and 3nd, Gorden: the Ness; Sth, McFarlane. Sisteen animals were shown.
Heifer oalf, under six months: Ist, (Concluded on page 8)

## Moveable

 stone, pulper, box, planer, With the last apple Loxes. cular saw for sods the adja wheel runs ab minute. To g ter of opening For many ye verhead whee than other wh having plenty having plentypower. Oatalo power. Catalo
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The Holstein Aged Cow Class at the Dominion Exhibition
veek in the aged cow class at athe Dominion Exhibition animals, were shown lan week in the aged cow class at the Dominion Exhibition held in Ottawa. These ani
mals are here fllustrated. First prise honorn went to mals are here illuatrated. Firat prise honorn went to the Colony Farm, Mt.
Coguitlan, B. C., and the second to an animal ahown by a C. Hardy, of Brock. Coquitian, B. O., and the Becond to an animal shown by A C. Hardy, of Brock
ville. Ont.

- Photo by an editor of Farm and Dairy,


## Moveable Stanchions and Pens

 Jas. D. Holmes, Oxford Co., Ont. The big point in making portable cattle stanchions to be used in the fields is to have them sufficiently strong and well braced that the cattle will not be able to push them over forwards or to upset them by pullvented by having cross pieces under the cattle well braced to the stanthe cattle well braced to the stan-chions. If it is necessary to move chions. If it is necessary to move
the stanchions from one field to another, the section should be made short enough to be drawn through gates or bars. Another plan would be to have them so made that they might be drawn through endways on skids.
I have used movable pig pens with great satisfaction to myself. The style that I use is six to seven feet wide and 12 to 18 feet long. I have a trough in each one attached to the inside to bold water and swill. moving this pig pen on to fresh ground I simply pry them sideways a distance equivalent to the breadth of the pen. I have seen these pig pens also arranged on skids, which enables them to be drawn from one field to another.

## A Farmer's Water Power

J. I. Graham, Grey Oo., Ont. On our farm we are using a Little
Giant water wheel to run the grindstone, pulper, wheel to run the grindbone, pulper, fanning mill, cutting
box, planer, and small circular saw. With the last two machines we make apple toxes. We have a large cireular saw for stove wood. The power is on the adjoining farm and is 200
rods from where I am living. This wheel runs about 2,000 revolutions a minute. To get power is only a matter of opening the gate.
For many years I had an overhead water wheel 16 feet in diameter. An everhead wheel will give more power than other wheels for that head, but having plenty of head I wanted more power. Oatalogues of manufacturers of water wheels generally contain descriptions of how to make a weir to tell the power a strosm will give according to to pown

## The next me when I pu

 the inaterial for wheel was the size required bur a horizontal Wheel four inches is diameter (the size of my wheel) manufacturers say the pipe should be 12 inches in diameter. A prefessor told me coment might do if reis orced with iron. For 100 feet head there should be 47 pounds pressure an inch. consulted an engineer specialist on water power. He said the reinforeing of cement would cost nearly asmuteh as iron, but he theught eight
or nine inches in diameter was large enough. Wheelmen would not guar antee full efficiency under 12 inches
$\mathrm{O}_{\mathrm{n}}$ a small stream On a small stream a cement dam was easily made that would hold water to run the wheel for bours.
I bought my pipe to suit the wheel. $\operatorname{man}$ ( 12 inches) at about 75 cents a fcot, second hand. This second hand pipe can often be had at large machine shops in the cities. The top part of the penstock is made of
cement reinforced with wire, one part coment and one part sand and gravel. It is the perpendicular head that counts. 1 am promised $16 \mathrm{~h} . \mathrm{p}$. for 100 feet head. Where it is found desirable net to place a wheel low, a draught tube can be attached to the 30 tiom of the wheel, and up to about 30 feet the wheel has the same power as above the wheel. The top of the
pipe must be screened. pipe must be screened.

## Milking Made Easy

Clarence L. Dauberman, Kaneville,
My father and I purchased our machines in the fall of 1907, milking 20 cows at that time all of cur own raising. trouble, year we had more or lass machine was new to us, and we mended what trouble we had as we went along without calling experienced men to hel, ns out.
day am miliking 17 of these cows today. Here is proof that the machine does not ruin cows as some people think. I am milling 48 cows, now using three machines. We lost cows when we milked by hand and we do est opinion of it is we do not loose so many by use of the machines as by hand. Young heifers especially take to the machines very quiekly, and milk out so dry that there is no need of stripping.
I have found machine milking beter than hand milking in many ways. One is that it milks cleaner than the there are not so many sore teats. For instance: When cows are running in the oorn stalks in the fall their teats are full of fine oracks, if examined closely. By hand milking the sores and eraoks break epen, but not with the machines.
I have notieed in the milk we use at the house that there is no sediment in the bottom of the pail as there was with hand milking. It takes a boy 17 years old and myself one hour and a half to milk 48 cows, getting nine cans of milk to a milking. That includes feeding them and letting the cows out to their nest, where they are all loose and oan lie in any way they like.


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## Edward Charles Ryott <br> AUCTIONERE FALUATOR

Padieree Etook Balee are my apecielty. Mayy peary emeoenful experience ont me to roi yos satiaficetion. Oni., qualify anee collitited. - 178 Carlaw. A venuespond sonto, Ont.

## Protection or Free

 Why are all the great farmers' organitations of Carada and the United
States opposed to the syitem of pre
俍 tection? Why do they clatem of pro-
tection tection imposes milions of dollars of
unjust time unjust tapation on farmers? Whillars of
do yout bettese do yous betteve to, Protection or Free great subject noyway know about this for all your taformation on yhat retied have read in the party press, elther Liberal of Conservative. or what you
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abon you need to great deat more, you need to know a
gere is your chance to learn all about it from a nonepoliti-
cal cal standpoint. Read "Protection or Free Trade" by the great Henry George,
a book written some a book written some 30 years aso, but
which is es fnteresting to when it was written. This as it was it deals with written, This is because the question. It takes up in turn each of the great arguments in favor of
protection. protection. It gives you the naswera
for them. Whe for them. When you have read it you
will know practically all on this question, and yous you need to to hold yourt own with politiclen able anybody in its discussion. poiticians or
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torif for Revenue," "The Home Mrerket "Tarif the Home Trade", "Do Mirktet and
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This is the winter seaso pers, the U best method vice-which ada as in the dressing pou dressing pou
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for 6 eown, lots house with well,
sheds, atore tho piped to house a tokee him away
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lot of fitted woo year at 81,600 , matato of this 24i, E, A. Btrot

##  <br> POULTRY YARD <br>  Killing and Dressing Poultry This is the opening of the fall and winter season. As a guide to ship- pers, the Urner-Barry Co. of New York have outined in brief from the methods to employ. Their adwhich applies as well in C ne of the most essential points in dressing poultry so as to carry well is to get all the blood out of the is to get all the blood out of the body which can possibly be withdrawn. The manner of killing affects the flow of blood materially. All kinds should be killed by cutting through the roof of the mouth to the brain with a sharp-pointed knife. But if the fowl is "stuck" very hard and deep so as to cause instant death the blood will not flow freely and the fea- <br> fou Can't Cult Out ar mog spativeror <br> 17 <br> 4 <br> if po wrile. Mnnufactured ony by tell you taore

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for 6 oowa lote of tor 6 cows, lote of wood. 7 -room itate roof
house with woll, two bars, sheds, store house, bugar hoveral warge
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tokre him away and if taken now he will throw in complote sugaremaking outif, year nt oi, wood, ete.; the bargain of the
mation of this


thers will be set so as to be difficult The proper killing is dry-picked. requires practice and judgment, Just the right thrust of the knife will reach the brain and paralyze the fowl, reiax all the muscles so the feathers may be afterward easily removed, and permit a free flow of blood beore the fowl is actually dead. Free bleeding is so important that too quiring just the right method kuiling
In dressing great care should be taken to avoid cutting or bruising "Bumpin or breaking the bones. "Bumping" with the idea of driving
the blood into the spinal column should anto the spinal column breaks the bacl. and almost always makes a bruise, which causes discoloration; moreover, it is entirely according to instructions. dry piogina
Immediately after killing carefully and very cleanly remove the feathers, taking especial pains to avoid tearpoultry is to be packed dry for cold weather shipment it should be hung up head down in a cold place (but not cold enough to freeze), and left until thoroughly cold and dry. Any an-
imal heat left in the body when packed, and any moisture on the skin, are sure to cause bad condition in a short time.
When the dry picked poultry is to be packed in ice for warm weather
shipment it should be thrown water of natural temperature, and left there for 15 to 20 minutes, then reremain eight to 10 hours, it should will be ready to pack.

## Ayrshires at Ottawa

Concluded from page 6 )
Owens: 5th, Geo, Tuttle. Metealfe, Herd of one bull and four females under two years: 1st, Ness: 2nd, GorFour animals, the get of cne sire st McArthur; 2nd, Ness; 3rd, Gordon
Two animals, either sex, geny of one cow: 1st, Owens; 2nd Gordon.

## Death of Robert Hunter

The Ayrshire interests of Canada
suffered a severe loss in the death on August 27th, at his home at Maxville, Ont. of Robert Hunter. The late Mr. Hunter had been seriously ill for number of years. It was this which led to the dispersion sale of his herd
of cattle in June, 1911, when 117 were sold at prices which constituted a world's record, and which have not since been surpassed.
The late Mr. Hunter was 62 years of age. He is survived by his wife, many years he was a director of the Ayrshire breeders Association, and dent. One of his sons, David, is now
dow dent. One of his sons, David, is now
in charge of a herd that he has gath. ered during the past year.

A small flock well cared for is away ahead of a big tlock looking after itself

My judgment is entirely against the practice of oross breeding, though I am prepared to admit that it may in the first cross produce good table birds. I feel assured, however, that
it is better for us to keep to that it is better for us to keep to thoroughbred stock; by so doing, we will interest the young people more in the
fowl, and there is an opportunity to breed with more purpose in view for the years to come.-L. H. Baldwin,

Horses at Deminion Exhibition In point of numbers horses at the Central Canade Exhibition, Ottawa,
were never as strong before as this were never as strong before as this
year, the occasion being the Dominion year, the occasion being the Dominion
Exhibition. There was a marked in crease in harness ard saddle classes, Breeding classes were about up to the usual average. Clydesdales have beca better at Ottawa, but
ons never as strong hefore.
The principal winner in the import d classes of Clydesdales was the Col Robert Ness \& Son, Coquitlam, B.C was a close second. Smith \& Rich ardson took about third place in the matter of winnings, their stuff behibition form. Adam Scarf, of Cum ming's Bridge, Ont., yot a second in one class, and a number of smaller exhibitly
sionally
The Canadian bred Clydesdale were stronger than usual. W. H. Mancell. cxhibitor in Canadian-breds. The championship went to Colony Farm on City Lady. D. Y. Boyd, Vars,
Ont., had the champion Canadian stallion, Koyama, which has also won several times before at Ottawa. The grand champion imported Clydesdale stallion was Sir Spencer, a horse that has now appeared three or four times Fairs, and at the Fall and Winter men who see delight of all horseimported mare was Narissa, the $\$ 5$,000 mare, said to be the best mare in Scotland, and now owned by the Colony Farm.
In the General Purpose classes ity, however, was entries; the qualbeen seen at Oitawa in previous years. The agricultural classes were particularly strong
Percherons never before made such splendid showing at Ottawa. The classes were large, in one case there
being 27 entries,-that of stallions three years old and upwards. The principal exhibitors were J. B. Hogate of Weston, Ont., Wm. Pears, ville, Que. E.de \& Porter, of Gimcoe John Hamilton \& Son, Simcoe. There were several other exhibitors, each having a few entries.
It would appear that the Percheron is bound to have his day in this country. Any informed visitor at Ottawa
far this year could not help but sense a bigger and better day for the Percheron than has yet been in this country, and this day close at hand. The progeny from the stock, even that on exhibition at Ottawa last week can not help but change to a considerable extent the complexion of the horses throughout Ontario and part of Quebec some two years or more heace.
A lot of the prizes in the Percheron dasses were given by the Ametican Percheron Society for animals regis-
tered in their stud book. All of these special prizes went to Wm. Pears, who is the only man with stock registered in that stud book. Hogate got the though Pear the mare classes, alany age, on his the champion mare A new importation of Belgians were shown by Paul Lefebvre, of Chelsea Que
French Canadians made a farly representative showing, the principal exhibitors being P. L. Sylvester, Anselm Cabana, and Arsene Denis.
The showing of Hackneys has been better in other years, although many fine ones were out. There was keen competition in the stallion class, -the premier award going to that grand performer Brigham Radiant, now Macauley, of Hudson Heights, Que.,
Man and the Colony Farm, were the leading exhibitors and winners.

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without a vucuum clearie, The King Edward Vachim Cleaner is the lighteit of ail vacuum cleatiers to operate-it has the etronsest sumetion-
it deflos competition for simplietyit deflos competition for simplielty-
effectivenew-strength and appoarance. The King Fdward Vacuum Cleaner does away with the drudgery of spring
and fall howso eleaning-- kepm the home and fall howsocleanins-koopa the home in apple-plo-ordes every day fin the year
Without the fatigue to the hiuso wife
that ordliary sweeplag day would be THE KING sweoplig day would be. on a TEN Dill bo shipped to say addreas
If is doos not satisfy yRiAL. chip it to usnt our expones.
if it does then remit es the $\$ 16$ Ine consumer is middleman, and are eliminating the the middleman's proft. Make the most
of the offor, and get the best little labor baving device on the market fato you
home.

## OUR GUARANTEE

Vacuum Cleaner, bearing our name, and manufactured by us, to be per:
fectly constructad, of good material, and perfoct in workmanahip. Wo
fully warrant it, under fair usage, fully warrant it, under fatr usage,
agalnat a"y defects of workmansion agninst a"y defects of workmansifig
of matorial for the term of FIVE
YEARS from date Ehonld any defect occur, not the
result of negtect or tmpropernee, we result of neglect or improperuse, we
agree to satifactorily repair the same at our foctory, or replace with a new one. We furthermpre wuil
antee that it will do eatiafoeroril antee that it will do satinfacrorlly
the work for which it has been sold, the work for which it has been pold,
and in the event of fallure to do as represented, sald machine is return

Don't bother to write a letter-
juat fill in and magil this The Geo. H. King Co., Ltd., Woodstock. Ont.
King Edward Vacuum Oend me a ten 'days' free trial, without obliga-
tion to me. tion to me.

Addreas
Name
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Woodatock, Ont.

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on. In a recent article in the Breedpopulazte, a writer who favors the popularizing of dual purpose breeding has the following to say about the dual purpose cow as we ordinarily find her.
"Sifting the problem down to its final and simplest analysis, we find that a dual purpose cow of such merit as may be obtained at a reasonable price should make enough butter to pay for her feed. Her calf is then a by-product, raised on the skimmed The proct.
The profit then from the dual purpose cow must all be got from the calf. But should we be satisfied with this one profit? Why not make a profit on the cow as well? A fairly good dairy cow will produce 300 pounds of butter fat and return profit over cost of feed of $\$ 30$ to $\$ 35$ If the milk is skimmed at home and only cream or butter shipped, our dairy cow will produce twice as much skim milk for the feeding of calves or hogs as will the dual purpose animal. If the calves are from good producing stock the females will be worth as much as two-year-olds on he market as will be the progeny of the dual purpose cow. That is, from the dairy cow we get two profits instead of one as with the two purposc animal.

## WILL STAY ON THE FARM

"In education and scientific farming lies the hope of the nation," once said a great American.
Notice that "education"
"scientific farming" are mentioned in the same breath. If we would have scientific farmers we must educate them. And where can we start their education better than in the public chools of the country?
Too much of our education t as been away from the farm rather than towards it. And we have positive proof that education can inspire children, both boys and girls, with a love for farm life.
In Wright county, Iowa, the boys and girls above the fourth grade in thirty four grade schools were asked what they intended to do. One hundred and fifty-seven of the one hundred and seventy-four boys replied that they would have nothing to do with farming. One hundred and sixty-three of the one hundred and seventy-eight girls likewise voted against the farm.
Three years later, during which time instruction had been given in agriculture and home economics, the same question was asked of the pupils in the same schools. This time one hundrid and sixty-two of the one hundred and seventy-four boys answered that they intended to become farmers, and one hundred and sixtyone of the one hundred and seventyeight girls were planning to remain on the farm. And these boys will make better farmers and the girls will make better farmers' wives because of their practical education.
The teaching of agriculture and domestic science in the public schools woutd be one of the biggest single moyes that we could make to establish a race of scientific farmers in our land, and efficient and happy housekeepers in our homes.

## A FARM BOY'S SUCCESS-AN APPRECIATION

Quite a few years ago a farm boy down in Nova Scotia got the idea that be would like to attend the Agricultural College. His father, for various reasons, opposed the idea; his mother favored it!

The outcome was that this boy launched cut for himself and on his "own hook" started in to get the education he so dearly wanted. He worked for farmers like an ordinary laborer, or hired man, driving a milk route and doing other farm work in order that he might earn the money wherewith to meet his expenses while at college.
It was to the Truro, Nova Scotia, Agricultural College that he went The first year, as may be guessed of one so set in purpose, found him examination time heading his class.
It was the same of his record the second year ! He beat all comers his examinations and topped the list in the Nova Scotia Agricultural Col lege in the second and graduating year of his course at that institution.
Next he looked for new fields to explore. He had ambition to complet the course at Guelph, at the Ontario Agricultural College. After leaving the Nova Scotia institution he came to Ontario: and again in order to mak money to meet his college expenses and to gain first-hand knowledge of Ontario farm conditions, he worked as a hired man, for a farmer in Oxford County, Ont., near Norwich, Ont., and also for one of Canad.' most successful breeders and exhibitors of Holstein cattle.

His path during these years, naturally, was not a bed of roses. Anyone who has worked as a hired man on a farm will have some idea of that with which he had to contend. It was a valuable experience, however, and he accepted it as such.

With the approach of fall came the season of opening at the Ontario Agricultural College. There he entered for the third-year course. Deter mined student that he was, he led his year again.

Next holiday for the summer, he again hired to a farmer in Ontario, this time it being a breeder of pure bred Jersey cattle, who during the summer sent his herd on a Western tour of all the leading fairs as far as Calgary and Edmonton. This Nova Scotia farm boy, college boy and hired man, went with this berd as helper while exhibiting at the Western exhibitions.

The termination of this Western tour brought him to Ontario again. He there sought to earn some moncy at the Canadian National Exhibition, Toronto, soliciting subscriptions for Farm and Dairy and The Canadian Horticulturist. Again be made good. Unknown to him, his work was watched by the editor-in-chief of Farm and Dairy We liked his make up. ambition and push. We learned his record. When the fair was over we told him that if he would report to us on the completion of his fourth year at Guelph College we would endeavor to make an opening for him on our staff. He did so. Being in need of an associate editor, we secured his sef vices as such.

In due time the came to Farm and Dairy. Shortly after the report reached us that he had been first man in his specialty, Agriculture, in his fourth and graduating year at College.

Nearly three years have passed since that time. He has had difficulties that appeared like mountains to overcome, but ha has advanced until now for some time he has been the editor of this weekly farmers' paper, which means so much to you and to the many thousands of others who read Farm and Dairy, weekly.

This little history and appreciation is given at this time during his absence prompted by the fact that last week he, Frank Eaton Ellis, took to himself a wife, Myrtle, the only daughter of Mr. and Mrs. W. O. Morse, of Campbellville, Ont. For their honeymoon a journey has been made to the old home down at Truro, N. S.

You, as one of our Farm and Dairy people will, we feel sure, appreciate this brief history and join with us in wishing Mr and Mrs. Ellis great joy and many years of happiness, a continuation of his success and the building up of a notable career amongst the people he loves,-the farmer people of this country.

## INTO A RUT

"Well, what did you get out of it?" was recently asked of a business man who had taken a couple of weeks off to visit a big convention of business men where business problems were discussed and business ideas exchanged.
"I found that I was getting into a rut," said he. And he appeared to be highly satisfied. Once he bad found that he was getting into a rut, the getting out of it was merely a matter of detail.
We farmers are very apt to get into a rut. Our lives are more or less isolated. Not being constantly rub-
bing up against other men we do not realize that our methods are antiquated. Whole communities may get into a rut and stay there until some progressive man gets new ideas, starts to do things in a new way and thereby shows his neighbors the rut that they are in,
Farm and Dairy recently had a call from one of the most progressive farmers in Northumberland county, Ontario. At periods of the year when farm work is not pressing, this farmer will take two or three weeks off and travel around visiting other farming sections, and particularly the farms of men whom he knows are making a big success of their busi
aess. "Just to
he explained. Travelling hired help is as it is often diffict home. There which we can set our paths. such as Farm an all help us to ge in agriculture, a appense. There reading farmer reading farmer
We may not be

## Automatic

 pianos, automa various kinds h commonplace. BUT NO EVER BEEN AUTOMATIC SELL ITSELF. It always cos goods. Some m much more cost The most cos goods is perhay and wait for purThe least exp
ell the public a tell the pub
vertising.
The consume case stands advertising, sinc most invariably ing delivered at ultimate consum sibly otherwise the goods not This idea is out in the case ward Vacuum C advertised in F Until recently th machine in any sold through de agents. The pr
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Geo. H. King, King Co., Ltd., mfgs. of these decided to chang ing, and to place
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ers direct. His since been work oped and now he tical machine at \$16.00-A SAI DIRECTLY TO
ER BECAUSE ER BECAUSE ING !

And in the Edward Vacuum VERTISING IS since Mr. King a to take his King Cleaner and use 10 days.

You can bank tising we permi umns of Farm an
in your favor. IN your favor.
ING YOU, to get out this pi week, and keep able standard, as,-
aess. "Just to keep out of the rut," he explained.
Travelling is expensive. When hired help is as scarce as it is to-day it is often difficult to get away from home. There is another manner in which we can avoid the ruts that beset our paths. Farm publications, such as Farm and Dairy, Agricultural Bulletins, and Institute speakers, will all help us to get the best and latest in agriculture, at comparatively little expense. There is no danger of the reading farmer getting into a rut. We may not be able in a day or a

## XLV

Automatic guns, automatic pianos, automatic machinery of various kinds have become quite commonplace.
BUT NO ARTICLE HAS EVER BEEN MADE THAT IS AUTOMATIC ENOUGH TO SELL ITSELF.
It always costs money to sell goods. Some means of selling are much more costly than others.

The most costly way of selling goods is perhaps to store them and wait for purchasers to come.

The least expensive way is to tell the public about them by advertising.
The consumer in nearly every case stands to profit from advertising, since advertising almost invariably insures goods being delivered at a lower cost to the ultimate consumer than can possibly otherwise be the case were the goods not advertised.
This idea is forcibly brought out in the case of the King Edward Vacuum Cleaner now being advertised in Farm and Dairy. Until recently this most necessary machine in any household, was sold through dealers and local agents. The price was $\$ 20.00$.
Following out a plan suggested to him by Farm and Dairy, Mr. Geo. H. King, of the Geo. H. King Co., Ltd., Woodstock, Ont., mfg . of these vacuum cleaners, decided to change his plan of selling, and to place his King Edward Vacuum Cleaners with consumers direct. His selling plan has since been worked out and developed and now he offers this identical machine at a price of only \$16.00-A SAVING OF 20\% DIRECTLY TO THE CONSUMER BECAUSE OF ADVERTISING!
And in the case of the King Edward Vacuum Cleaner, ADVERTISING IS DOING MORE, since Mr. King actually allows you to take his King Edward Vacuum Cleaner and use it on free trial for 10 days.
You can bank on it that advertising we permit to use the columns of Farm and Dairy is always in your favor. It means A SAVING TO YOU, and it enables us to get out this paper for you each week, and keep it up to its enviable standard, where it is known as,"A Paper Farmers Swear By"
year to achieve the ideals that we set for ourselves, but as long as we keep our ideals ahead of our practice we will follow a path free of the ruts that are followed by altogether too many of our farmers.

The Western Fair at London Several factors conspired to make less of a success from the this year standpoint than it has been manyan's vious years. A long peen many pre weather in which harvesting of we possible was succeeded ding was imfair time by warm sunshiny weather and many exhibitors usually weather, and many exhibitors usually on hand, preferred to stay at home and get
their crops in. Ottawa, also, by ver tue of having the Dominion, by virt tue of having the Dominion Exhibition there this year, attracted a larger
part of the Toronto exhibits to their exhibition. The slack crops of last season also had their influence in reducing exhibits as many showing were not able to fit many animals on the feed they had on hand.
The fine weather, however, while reducing the number of exhibits in the live stock sections, was favorable to attendance, and record crowds passed the turn-stiles. A regrettable feature was the large increase in midway attractions. London has always gotten the reputation of conducting clean, educational, fair. It would be unfortunate were midway attractions to usurp the place of more useful attractions at this agricultural fair. An exhibit worthy of more than passing mention was that of the
Hydro-Electric Power Commission. In this exhibit it was shown how two horse power electric energy could be made to do much of the farm work. Starting in the early morning on the dairy farm a two borse power motor will run an eight unit milking machine. It will then turn the cream separator, churn the cream into butter and then run the butter maker In addition it will keep a cold storage room down to a temperature of 36 de grees in which to store the butter once it is made. In the same exhibit were a circular saw, a root pulper, a feed cutter and a pneumatic water supply all run by the electric energy sup plied in a two horse power contract. by the introduction of cheap electric energy. Each day full course dinners were prepared on an electric stove and fireless cooker. The weekly ironing may be lightened with an electric iron, and a half horse powes motor hitched to an automatic pump will give the farm housewife as good a water system as is found in any city residence. Asked as to the cost, it was stated that there is a fixed charge of $\$ 20$ to each farmer installing the power and $\$ 20$ for each additional power power. In addition to all the operations enumerated this power cost will also light the farm buildings ; wal also light the farm
and heat the house, too.

## нопввя

The horse exhibit was a disappointment. Some nice Shires were shown by Porter Bros., Appleby, Ont., who got all the prize money for the breed. Hassard and McMichael had some nice Clydes out. Most of the other entries were by small breeders. Many tries were oy sman hardly of the quality that one would expect to quality that one would expect ag-
see at London Fair. Some good agsee at London Fair. Some good ag.
ricultural teams were a redeeming ricultural teams were a redeeming feature of the horse exhibit.
horses included many excellent indivhorses included many excellent

A breeder has simply got to keep his good animals as foundation stock. He may sell the young ones. If you let all pick your cows as they choose you will soon have left only the culle. you will soon have lefore Dimick, Wooderest Farm, Ulater Co., N.Y.

## DE LAVAL CREAM SEPARATORS

U8ED EXCLUSIVELY BY $\mathbf{9 8 \%}$ OF THE WORLD'S The only separator that is good enough for the creameryman is equally the best cream separator for the farmer to buy. De Laval Dairy Supply Co. Ltd


## Well DRILLING MACHINES

 Over 70 sises and styles, for drilling either deep or shallow welle in any kind of soll or rook. Mounted on wheels or on sills. With engines or horse powers Strong, simple and durable. Any meeh-anle oan operate them easily. Bend for catalog. WILLIAMS Bros., ITHACA, N. Y.

## Pump water, saw wood, grind grain, churn

 and do many other laborsaving tasks with the Barrie Engine. Will pay for itself quickly by saving valuable time for you. Strong, rugged construction. So simple a lad can run it. Sure in action, economical in operation. Every farmer needs one. Write for booklet.
## Agents Wanted

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## Holsteins 35 oincencess Will_Be_Sold <br> At Public Auction

## At Crampton, Ont., Sept. 26th, 1912

You can have your choice of my richly bred Holsteins, and at your own price, on the day of my sale at Crampton, Thursday, Sept. 26th, when I will sell without reserve my 35 head of Holsteins at public auction.
The femalee in my herd are of very choiee breedisg. I meation some of want them in your herd.

Some of them are sired by Sara. Hengerveld Korndyke; others by Pontiac Hermes DeKol. The remainder also are of oholoe breeding, as you may see保
SIR TOMMY EVERGREEN, a grandson of Evergreen March, $26,100.5$ the mitt in one year, 1,053 . 65 lbs. butter in 365 days. This sire heads our herd.

Some of the cows are Bara Jane Korndyke, 10,748, a grand-daughter of Bara Jowel Hengerveld Jrd; Diamond Netherland De Kol, $54 / 5$; Sylvia Sjut De Kol, S476; Kvanfeline De Kol, 949; Oordelia Lasa Do Kol, Yoto; Bylvia Prinoens De Kol, S474; Peari Netheriand, 13,$150 ;$ Bara Jewel Korndyike, 13 , $38 /$; Dora De Kol, 13,707 ; Mountain Hengerveld Korndyke, 15,832; Dainy Netherinnd De Kol, 15,$831 ;$ Roel:
bell Do Kol Hermes, 13,706; Besaie De Kol Hermes, 13,706; Aggie De Kol Bell, bell Do Kol Hermes, 13,706; Hesaie De
13,704 ; Byivia Jewell Hengerveld, 15.830 .

Full partieulars and pedigrees given in catalogue. Write for your copy.
TERMS-Cash or 6 months at 5 per cent.
Offering includes 19 of these cows giving milk, two e-ysar-olds nut milking, two yearling heifers, $\&$ bulls, 8 heifer calves, two bull calves- 35 in all.
J. R. NEWELL, Proprietor, Crampton, Ont F. MERRIT MOORE, Auctioneer


Some of its apecial features are:-Main shaft of 1 ys in cold drawn steel which
is heavier than that used in other grinders: ifes standier running qualities and taken Three benringes other
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THE ONTARIO WIND ENCINE \& PUMP CO.
WANTED
Experienced Man to take charge of dairy M. GILMOUR a son, Springlleld Farm Dairy, ROSEMERE, ONT

## GRAND TRUNK SYSTEM

Farmer's Excursion to New Ontario September 25
Reund trip second-class tickets will be issued from stations in Ontario, Brockville, Ottawa and West, to all stations and Temiskan.ing and Northe n Ontario Railway
ing the following points :-

## HAILEYB'JRY EARLTON ENGLEHANT MONTEITH COCHRANE MATHESON

 NEW LISKEARD At Low RatesReturn limit, Oct. 1st, 1912 Secure tiekets and full
Orand Trunk Agenta.

ers of several creameries are talking of going into the business of custom hatching for their patrons.
Amongst the sales completed by Prof. Elford, for his Candee MamProf. Elford, for his Candee Mam-
moth Incubator is one to Mr. G. H. moth Incubator is one to Mr. G. H.
Taylor, Dalmeny, Ont., who has a creamery of his own, and is installing this incubator for the express purpose of custom hatching chickens for his patrons.

## Dairy Produce at London

Exhibits of both butter and cheese a London this year were about the verage in quantity and of high uniform quality. The butter was judged by J. B. Muir of Ingersoll, and the cheese by Ed. Harty, London; Wm. cheese by Ed. Harty London; Wm. Grey, Stratford ; and as. Bristow, St.
Thomas. A point of note in the Thomas. A point of note in the
cheese exhibit was the exceptionally cheese exhibit was the exceptionaly
high quality of the June and July cheese. The Donnelly family again figured prominently in the winning it will be noted in the scores that follow that several competitors scored equal in total score. In such cases the higher placing was given to the cheese scoring highest in flavor
For the first time in the history of he Western ${ }^{\circ}$ Fair, an exhibit of butter, 56 -pound box, scored the full 100 points. This wonderfully excellent cheese was made by J. H. Martin, of
St. Jean, Que., who secured the highst scoring and most of the prize money at Toronto, this year. The awards in full follow:

## curzar awards

Factory colored cheese, made between August 1 and 16: $1, \mathrm{Jno}$. Outhbertson, Sobringville, Ont. 97 points; 2, 2, C. J
Donnelly, Bcotteville, Ont., $96.66 ;$ ह, H. E Donnelly, Soottarilte, 98.665 ; 4. P. E. Faatman, Aikona, 96.666 .

## Factory mite.

ractory white, ditto: $1, \mathrm{~J}$. Cuthbertson Wm . Moise, Trowbridge, 965 ; 4. 9 , mm . Hoise,
Donnelly, $\%$. 31
Faetory eolored cheese, two, one made n Jane, one in July 1, C. J. Donnelly, \% 33: 2, E. F. Howew, Attwood, 9616 : A. Barber, \%: 4, E. 8. Phelpe, 9591. Factory white cheese, ditto: 1, B $F$ Howes, 96.35 ; 2, C. J. Domnelly, 96.15; 3, C Kloekman,
Newry, 96.6

## Butter Awards

Oreamery butter, package, not lose than $50 \mathrm{lbs} . \mathrm{I}^{1 .} \mathrm{J} . \mathrm{H}$ Martin, gt. Valentine J. B. Vincent, Racine, Que. 4, Jno. Ander son, Renfrew, Ont.
Creamery butter, 1 Ib . printa, 50 the: 1, J. H. Leelere: 2, J. . . Vinoent: 3, J. H. Martin; 4, H. W. Patrick, 8t. Thomas.
Farm dairy butter, not leen than 20 ibs. Farm dairy butter, not lem than 20 lbs . 1. Mise L. B. Gregory, Poplar Hill, Ont.
2. Mr. O. B. Sutton, Bcotaville Ot.
S. 2, Mre. O. S. Sutton, Bcotaville, Ont.: 3, J. J.
W. Robertson, Vaukicelk Hill, Ont.: 4, Mra W. Robertson, Vankleelk Hill, On,
Wm. Armatrong, Brusels
Ont

Wa. Armatrong, Brussels, Ont.
Farm dairy butter, 1 lb . rolle or prints
$\mathrm{Mrs} . \mathrm{Wm}$. Mrs. Wm. Armatrong: 2, Mr B. H Prigh, Milverton; 3, Mise Le B. Gregory; , Mra O. B. Button
${ }_{10}^{8 p r o i a l}$ prise 1 Mre, 1 lb . printe, not leas than 10 Ibe: 1, Mias Lh B, Gregory: 2, Mra Wm. Armatrong; 3, Mra. J. B. King, Latp-
beth; 4, Mre. O. S. Sutton.

## Dairy Exhibits at Ottawa

While the number of exhibits in the dairy department at the Dominion Exhibition held in Ottawa last week did not show an increase over former years, the quality of the exhibits was high. The cheese especially were a very even lot. The awards were placed by Supt. L. A. Zufelt, of the Kingston Dairy School, and Frank Singleton, Assistant Chief Dairy Instructor for Eastern Ontario.
Considerable interest was taken in the competition for the gold medal or $\$ 90$ offered by Edward Kidd, M. P, for the best factory cheese. This
award went to Jas. A. Ferguson, of award went to Jas. A. Ferguson, of
Caintown, Leeds Co., Ont. Dairy Caintown, Leeds Co, Ont. Dairy
Instructor R. E. Elliott, of Carp, won the prize offered for the best showing made by the factories in any syndicate with S. S. Cheetham, of Gan-
anoque, second.

The province of Quebec main ed its reputation as a creamery tion by capturing most of the awa for creamery butter. The winn the different classes were as
Bert colored checse made between


## Ne

 Newry, Ont., 96; 4, O. Kloekman, Atwond Ont. . 95 3-4; 5, D. Mensies, Listowel: Beat white cheese made between Auzun Ist and 15th: 1, Jas. A. Ferguson, Cais town, Ont., 96 34; 2, A. E. Walker, Doug Las, Ont., $961-4$; 3, J. D. Henderson,. Kest Klockman, .so
Best white checso made between Int and 15thil I, Jas.
2, Jos. D. Henderson
Hamilton, Monkton,
ter. Qilend
ter, dillead, Ont. . 9412 : 5 , (ico. Ed
Newry, 94 OREAMERY BUTTER
10 lb . prints: 1, J. B. Martin, 8 C.
tine, Que., $961.2 ; 2, \mathrm{~J}, \mathrm{H}$. Leclair, Line, Que., $\% 1.2 ; 2, \mathrm{~J}, \mathrm{H}$. Leclair, Yo ter, Que., 94 1.2: 3, Jno. Anderson, Hen Trew, Ont in tubs or boseen
50 Laplerre, Bt. Eugene, .96; 2, J. E. Martin ${ }^{6} 95$ 34: 3, M. W. Bhefford, Frelighabury Lieo. B. Duquette, BL Hyacinthe DAIRY BUTTEB
Best 2 tubs, 10 libe each: 1, B. D. Youm Middleser Co., Ont., $9612 ; 2$, Mra. Jas Hurdman, Aylmer, Que, $.51 / 2,3, \mathrm{~W} . \mathrm{V}$ MeLellan. Wyman, Que., .ss 4. Depart . 9.
Ton one-lb. printa: 1, Peter Dumos, Maple Ridge, Ont., $961 / 2$ : 2 Geo. E Tuttle, Metealfe, Ont., 95 ; 3, Mrs 4 Wallace, North Gower, $941-2 ;$ 4. Mrs Alex. Meldrum, Wyman, Que., 9

## Butter Making Competition

The results of the butter making s follows:
don, last week, were as follows
Amateur Class-1st, Miss N. Simp Sanneck; 3rd, Miss M. H. Stewar, Hempstay
Free for All Class-Ist, Mrs. H McEwan, Aisla Craig; 2nd, Miss Cartick, Roseville Gregory, Poplar Hill; 4th, Mrs. II Hill, Parkhill; 5th, Mrs. Alex. Simp son, Atwood ; 6th, Miss M. A. Jayne, Cobourg.
Sweepstake Class-Ist, Miss L. B Gregory, Poplar Hill ; 2nd, Mrs. Alex Simpson, Atwood; 3rd, Mrs. W. Hill Parkhill: 4th. Miss M. A. Jayne, bourg ; 6th, Miss M. Patton, Newto brook.

IHAVE only a few shares left (\$100.00 at par) of one of the very best industrial issues on the market this yearto pay $20 \%$. Issue closes Sept. 25th. Write to day for prospectus and full details
P. W. WARD

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N

The flavo smoothnessand mark depend on tit is salted, a used.

WIN
Malres Pr
It gives flavor to th solves slowl) curd-and $m$ keep as good
Windsor cheapest in $t$ it goes furth

CALVES nater $n$ Steele, Brigte Seed

WA

## GOOD SECON

 five hundred pou particulars. Box
## Chese Department <br> - Makers are fuvited to send contrigueations on matiers relating to cheese maining and to muggent enb- joets for dinougaion. Addreses lettera 

## E. O. D. A. Executive Meet

meeting of the Executive Committee of the Directors of the Eastern Ontario Dairymen's Association, was held in Torvoto, Sept. 3rd. Owing to the recent death of the President of the Associaiton, Mr. J. H. Singleton, of Smith's Falls, the Firet V'icepresident, Mr. G. A. Gillespie, of
Peterboro, presided. It was deciled to hold the next convention of the Association in Kingston, January 8 9.10. Cornwall made application for the convention and was given to bewall in January, 1914. Peterbore in wall in January, 1914. Peterboro intimated that it would
following convention.

The treasurer, Mr. J. A. Anderson, of Mountain View, reported the
funds of the Association to be in good funds of the Association to be in good condition. Mr. Cowan, of Farm and Dairy, asked if it would not be a good idea for the Association to hold an annual exhibit of cheese and butter in connection with its convention, as Dairymen's Association. He stated ${ }^{\text {th }}$

$\mathbf{N}^{\text {OTHING }}$ in cheese making is more important than salting the curd. The flavor-even color-smoothness-keepingquality and market price - all depend on the way the curd is salted, and on the salt used.

## WINDSOR <br> -ssur

## Malkes Prize Cheese

It gives a smooth, rich flavor to the cheese-dis. solves slowly-stays in the curd-and makes the cheese keep as good chesse should.

Windsor Chesse Salt is cheapest in the end because it goes further.

## 73 c

CALVES Raise Them without milk steele, Britite Seed Co., Kite., Toro

## WANTED

GOOD SECOND HAND CHURN, five hundred pound capacity. State particulars. Box T., Farm and Dairy,
sociation consider their annual exhibition one of the best lines of work
they carry on and they would not they carry on and they would not
think of abandoning it. Mr. G. A. mink of abandoning it. Mr. G. A.
Putnam, Director of Dairy Instruction, endorsed the suggestion, but
pointed out that it was too late to pointed out that it was too late to
think of holding such an exhibition in connection with the convertion nexı January. Chief Instructor Pub-
low also thought well of the cw also thought well of the proposal amount of work for those who would have charge of it. Mr. Henry Glendinning gave notice that at the next convention of the Association in Jan-
uary, he would move a resolution favuary, he would move a resolution fav-
oring the holding of such an exhibition together with exhibits of dairy
appliances in appliances in connection with the convention of the Ass
held in January, 1914.
Chief Instructor Publow reported that only one official prosecutor hald been employed this year, Mr. Frank Brentnell, of Belleville, who had been paid 880 a month and expenses, and who started work on June 1st. Up to September 1 st, only 17 cases of adulterated milk had been reported, w-lf the number reported during the same period last year. Of this number 10 from $\$ 20$ to $\$ 40$ being imposed in each case. The other seven cases are pending.

## decreankd makr

Chief Instructor Publow
reporte that the prices paid for cheese this season have reached a higher average than ever before, and that the prospects for the future were bright. The quality of the cheese made, owing largely to the cool weather that has
prevailed, has been unusually good prevailed, has been unusually good. On the other hand there has been a falling off in make which be estimated amounted up to the first of August to 25,000 , and possibly 30,000 , boxes of cheese. This he believed was due mainly to fewer cows being kept. There was a prospect that this shortage would be overcome by an increased make during the latter part of the season. The present make is large.
A resolution was carried allowing the secretary an additioanl $\$ 100$ a year for office rent and clerical assistance, making the total amount received by him from the Association yearly $\$ 400$.
The president, secretary and chief instructor were authorized to set the dates for the annual district meeting.

The directors present included: Nel son Stone, Norham; James Sanderson, Kemptville; Joseph McGrath, Mount Chesney; George Leggatt, Newboro; John Hyatt, Westlake; J, A. Campbell, Ormond, and the secre tary, T. A. Thompson, of Almonte.

## The Case of Large Facteries

Wm. R. Sim, Hastings Go., Ont. It does not cost so much to equip a large factory as it does a small one when we take into consideration the difference in the make of cheeee in say, a five cheese factory and a 15 - day factory

Now which factory makes the best oheese, the amall or large factory? The large factory can afford to hise a more competent and skilful maker and therefore gets cheese of a better quality and more even in size and finish. In a small factory they cannot afford to give a salary large
enough to get a competent maker; enough to get a competent maker;
therefore they do not get as good a quality of cheese.
In regard to the quality of the milk received at large and small factories it all depends upon the ability of the maker. As we always have the best makers in the large factories and he, being a better judge of milk than the inferior maker, it must follow that the large factories as a rule get better milk. That has been my ex-
perience in the 20 years I have made
cheese. heese.
The question of hauling milk a long distance to a large factory comes down to a question of cooling. Milk properly cooled and in a nice clean oondition, such as some that comes is drawn five miles and is just, good as the milk coming from the farm next the factory. The whole thing depends upon the care of the milk and the cheese maker is the only man that can remedy that, as it all lies in his hands as regards the raw
material.

Guarding the Patron's Intersts Dr. C. A. Publow, P. E. Co., Ont. tE hods mave some study of the mein connection with the United States in some of the Western States especially. It seems to me that paying for milk for cheesemaking is done to the best advantage of all concerned when the fat basis is employed. A compelling all the factories to pates for the milk on the butter fat basis, whether the milk is made into cheese For butter, or sold as milk,
For the benefit of those patrons who feel that they are not receiving jus, treatment a law has been passed $0^{\prime}$ milk are kept in a composite man ner by the manager of the factory, duplicate samples must be kept. duplicate samples must be kept.
After the test has been made is posted showing every patron the factory exactly the grade that the factory exactly the grade that
given for his mill given for his milk.
One set of samples must be kept If the patrons after the test is made patron is not satisfied he has sealed in the of having his sample and sent to the Agricult of wienes School to be retested. If the maker has used dishonest or careless methods in making the test it is shown against him when the result of the it was sent to fe retested place where

The Cheese Factery ${ }^{\text {P Picnic }}$
Our cheese factories have not take up with the picnic idea as generally as have our local creameries, even though, owing to the relatively small territory covered, they are really in a better position to conveniently bring about a round-up of their patrons. And from the cheese factory operators' point of view the good to be derived from an annual pleasure as in thi of this kind is just as rea is a first-rate wedge toward me. fidential relations with the more conplies and those members of the mill phes and those members of the milk
supplier's family who have most to do with the handling of the milk while on the farm.
A cheese factory pienic need not be an expensive affair for the one responsible for it. A band and a free dinner are of course sure to be appreciated by the visitors, but when the expense, neither of the above is absolutely necessary to a thoroughly njoyable affair
As to hints on carrying the picnic off pleasantly for everyone concernd, select a date when the outing can most conveniently be taken ; choose a location as central as possible; if games are held carry them off with despatch, and it is well to appoint a marshall capable of managing this names of the entertainment; have of the patron's family, and cut down the educational features to a mininum. Above all avoid long winded speeches, though a few pithy and short talks on pertinent dairy topics are permissible, when the audience is in the humor to listen.

WHE Amatite mineral surface
will hold its own against the weather for s long time. You doa't have to look over your Amstito Roofis to see whether they need painting every year or two.

The cost of paint, therefore, is done sway with-all that trouble and nuisance and bother is gona. Simply lay your Amatite, nail it down, take away your ladder and
forget that you have a roof forget that you have a roof.
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Sheop, Swine, Seeds, Poultry
$\mathbf{\$ 1 7 , 0 0 0 . 0 0}$ IN PRIZES
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A. P. WESTERVELLT, Secretary

$\mathfrak{U C l}^{E}$ cannot control the evil tongues of others, but a good life enables us to despise them.-Cato.

## The Best Laid Schemes

## (New England Homestead)

(Concluded from last week)

"Cof the old knocker resounded valiantly all through the still house. The guilty pair actually jumped. "Do you suppose it's another?", whispered Ma.
"Ef it is the ghost is in fine fettle
to-night-listen!" $P$ a to-night-listen "" Pa tiptoed to the attic door, and opened it a crack. The
sound that tore down the stairway alsound that tore down the stairway al most made the old reprobate him-
self flinch. Ma really did edge away and when Pa went to the door in response to a second impetuous summons of the knocker, she accompanied him.
A tall, fine looking man stood smiling on the step. His motor car, with a lady therein, stood at the gate. "This place is still for sale, Mr. Turpy? It appears to be exactly what I want. I heard about it first from your son, with whom I recently from your son, with
had some dealings.
The venerable plotters paled. Was their well-laid scheme to fail, after all? It was a serious-faced old couple that led the way into the sitting room. The stranger at once proceeded to talk business. Money was no object.
Conscience doth make cowards of us all!" . The hitherto successful and carless conspirators dared not marshal forth malaria, tramps, rattlers or ghost before this mysterious stranger who knew John, and had talked with him since the "Fur Sale" sign was hoisted. They felt their nerveless fingers slipping from the dear old house, the precious orchards and garden, the well loved fields and woods. The rising east wind soughed drearily through the willows. Never before had it sounded so solemn, so hopeless. Suddenly a gust swept through the window, and with it the attic
door burst open. Down the stairway swept a shriek, besides which the banshee's wail would have sounded like a sick kitten. The foiled plotters looked up with dull and apathetic eyes, but the stranger-was the man crazy? He leaned back against the patchwork tidy and burst into a ring-
ing peal of laughter. Pa and Ma clasped hands and stared at him apprehensively. Were they responsible for unsettling the reason of a fellow-being? Horrible thought! He rocked back and forth, laughing more and more irrepressibly. And, presometh of in the blue eyes, was it a gleam of boyish mischief?
stole the worriment from the two pairs stole the worriment from the two pairs
of eyes that watched him. First Pa. and then Ma joined in the laugh, not even dimly guessing why, but with a feeling that somehow, all was well. Presently all three straightened their faces, and wiped their eyes. Then the stranger did the amaring thing - he jumped from the chair, seized Pa 's horny hand in a warm
grip, and flung a muscular arm about grip, and flung a muscu
Ma's substantial waist.
"Guess who it is ! Guess who it is !" He shouted boyishly.

Ma , still suffering his arm to remain, gave him one brief look, and spoke with conviction:
"That's who, Ma! Glad to see me? Eh? Glad to see your good-for-nothing? Bless your dear hea
down, and let me tell you."
Pa and Ma sank down together on the calico-covered settle, looking and feeling a bit dazed.
"You see, after I hooked Jack and
left that onion bed-(remember it


Neat and Attractive, a Model of its Kind
Aome doen't need to Be large to be handsome. The home of Jas. Terris, Dufferin Co, OnL, here Illustrated, is a proof of thila. Notioe the effeet of lawn and shrubbery in rendering this attractive home more attractive.

Ma ) I had the luck that-well the kind I deserved, for some years. Then I struck it rich in Alaska-then I struck it richer till in California, where the finest girl in the world made the mistake of her life in falling in love with me and marrying me. She has been pruning and training and educating me for the last five years, and her patience and enthusiasm are still constantly on tap-bless her !
'I told her about you, and soon as things fell out so that we could, we came east to look you up. Ran across John in New York, and learned that you had put the old place up for sale. Struck me that it would be mighty nice place for a summer home for Belle and me and the kiddies ; and besides, I was mighty glad to be able to offer you a gilt-edged price. Well, Belle and I came on down. Fell ints conversation with folks along the road and learned about your malaria and rattlers and tramps and the ghost I identified the ghost at once, but jiminy crickets, Pa , it took Belle to catch on to the reasons why you and Ma were working it now ! And those other incumbrances, too 1 Hurt your feelings to stay a while longer on the old place-ch, Ma? Guess I will go out and bring in Belle.
With a parting pinch on Ma's cheek which had assumed its wonted pink, the returned prodigal strode out, to return immediately with a gracious beauty, who hugged and kissed both Pa and Ma impartially, in warmhearted western style, which so opened their hearts that they fairly poured forth the tale of their united perfidy-
when his bey came down without his work clothes on.
"I'm going to the city on the next train," calmly replied the son.
No, ye ain't. Git into yer overthe irate father
"I'm of age to-day. Ycu've bossed me for the last time and I leave for a more congenial place.

The parents were struck dumb with the suddenness of the declaration.
"My boy going to leave mel" thought the stricken mother.

Brother geing to the city-and my life will be harder P" thought the younger brother.
"The rascal-to leave right at the leginning of harvest!" muttered the angry father to himself.
ye'll walk to the station
spare the team to-day," he 1 can't Of age-and leaving home. Why?
He never had been treated as son should have been. He was net dealt with honestly and squarely by his father.
He never had been given a dollar resulting from the sale of "his calves and pigs.
He never was consulted in matters pertaining to farm management.
Not receiving the consideration accorded the hired man, and not reoeiving any compensating cash or favors, Joe had lived with only one ambition in his secret heart-to

Get away as soon as of age
That day had eopne and be was going.
While mother was preparing the breakfast he wandered alout, giving
the last affectionate pat to all the barnyard stock.

Diek, the old family horse, put his soft nose against "Joe's cheek and
seemed to say, "T'm sorry yon'te seemed
going."
going,
There by the well stood the big willow where as a bey he had "skin ned the eat" on its overhanging limh he had known happy days.
And the tears came to the deter mined eyes at the recollection that now flooded his memory.
Mother knew - mother understoci why he would not stay.
She'd give her life if she could bring father and son into a more friendy relationship-but father was auster -was "sot in his way.
She sobbed as though she were bid ding a final farewell to a bey going to war-nor had she even a trace of the patriotic spirit of sacrifice to comfort her.

The hired man batted his eyes t keep back the tears-for he under stood.
The brothers and sisters crept away with heavy hearts. The father felt strange lump in his threat-but he would never acknowledge that be possessed any sentiment.
It was sad, it was sad, and might have all been different had that fins young man been made to feel a personal interest in the farm.

When your boy is of age will be want to stay, or will he go
Will he go beeause you have never given him a square dea-never shewi. your love for him, never made home attractive enough to counteract the influence of the city? - Western infuence
Farmer.

## "Thou Shalt not"-Worry

We have no conscience on the matter of worry; we do not think of as wrong; we never confess it even a failing, much less ask forgiveness of it as a sin. If the preacher were to say "Do not steal" or "Do not kill" we accept the word at once as of Divine authority. But if the preacher should say "Do not worry" there er should say instantly a sense of resentment. Everylody knows the kind feeling that meets such counse "Ah! It is all very well for you t talk," as if the authority were that of the preacher only, and not of the with the angry matter "LI any body live where I live, and put uf with the things that I have got th endure!" That settles the matter i the opinion of a great many. Bu mark from Whom this word comet "I say unto you"-with Him thi matter must be settied, the Lord and Judge of all men.-Mark Guy Pearse.

## * *

Cocoanut matting may be cleaned with a large coarse eloth dipped if salt and water and then ruibed dry. © *
When patehing wall paper don' forget to preface operations by put ting the new piece of paper in thi sumahine to fade till it matehes thas on the wall. Don't out the patch neat square, but tear it. The irregolarity of its edges will make it les conspiouous.

To improve oilcloth dissolve pound of blue in a quart of water ove a fire, then rub it lightly over the oil cloth with a piece of flannel, and leav it to dry. If possible, do this in the evening so that the oilcloth may nol be walked on until the morning. reatment adds to the durability d the oilcloth, besides greatly impror ing its appearance.

I like your paper very much, and the sewing room is very helpful. -Mr J. A. MacCauley, Port Milford, On

Septembe

## measesees

## The <br> Our

Search the ye think tha and they are Mc.-St. Joh

In every wa realize our ne accurate- guid
help us to $m$
$m$ belp us to m
ever work we ever work we
making dress simple nature to guide us. low closely th books. The would not thin ing of consid use of his ple the plans of iner who set compass or $w$
them frequen them frequen
might be sure the direction proceeding wo mand of his And thus it ment of all or The up-to-dat studies the la tins, the gen
tices of moder tices of moder gineer the re ments. How
that we shall that we shall


## The Upward Look <br> 5

Our Guide in Life
Search the Scriptures: for in them ye think that ye have eternal life: and they are they which testify of Me.-St. John $5: 39$.

In every walk and phase of life we realize our need for authoritative and accurate-guides and rules that will belp us to make a success of whatever work we have in hand. When making dresses, even of the most simple nature, we have our patterns to guide us. When cooking we follow closely the directions of our cook books. The carpenter or builder would not think of erecting any building of considerable size without the use of his plumb line and plane and the plans of an architect. The mariner who set to sea without a chart or compass or who neglected to consu t them frequently in order that he might be sure of his bearings and of the direction in which his vessel was proceeding would soon have the command of his ship taken from him. And thus it is in the accomplishment of all our earthly undertakings. The up-to-date progressive farmer studies the latest government bulletins, the general follows the practices of modern warfare, the civil ensineer the reckonings of his instruments. How necessary it is, then, hat we shall recognize our impera-
tive and constant need of a guide that will enable us to decide wisely the moral and spiritual problems that continually confront us.
No matter how humble our daily duties may be we constantly feel the need of such a guide. The history of the centuries proves that there is only one infallible guide of this character. It is the word of God, as revealed in the Scriptures. Are we then as faithful in our study of this guide as we are of those other rules that we use in less important matters? In these modern days, many people seem to think that if their consciences do not trouble them when they follow certain lines of procedure, that there can be nothing wrong in their actions. As well might we conclude that there is nothing wrong in a canmibal consuming his captive or in an Indian torturing his victims.

Our consciences cannot be dependad upon to lead us aright unless we are constantly adjusting them by the standards which God has set. Just as the astronomer must constantly est the accuracy of his instruments to ensure the correctness of his readings and just as the lawyer must continger ally keep in touch with the latest decisions of the courts in order that he may be sure of the strength of his case, so it is necessary that we shall study God's word, systematically and prayerfully, in order that we may be sure that the standards set by our consciences have not, all unknowingly to us, lost their delicacy and power through becoming confused and
contaminated by the standards of the world arround us.
On all sides we see people, who in some cases are professing Christians, doing things to which the world takes o exception It , therefore, become asy for us to accept their standards as our own unless we are constantly searching God's word to know what He directs us to do in such circumtances.
When Christ spoke the words conained in our text he was condemning the self-righteous Jews for their sins. They, although they did not realize it, were following their own commandments rather than those of God. Christ told them to search-not just to read, but to search-the Scriptures and He assured them that if they would they would find the mistake they were making
That same command applies to us Christ was sent by God to be our example. Only through the study of the Scriptures can we be sure that we are following in His footsteps. No matter how busy our lives may be, or how much good we may think we are doing for God, we are sure to wander off the path which God would have us follow unless we regularly read His word. The daily reading of our Bibles, with minds intent on leanning their messages for us, together with simple trusting prayer, are the two great sources God has provided for each of us through which we may obtain the daily strength and wisdom that we need. Let us then
in our public worship of Cod in or der that, like Jesus, we may increase in wisdom and in favor with God and in wisdom and H .
e 4

## Fastening Skirts and Yokes

Skirts and dresses have an unpleas ant way of splitting down below the fimit allowed for the placket bole, no matter how firmly they are stitched and some thin fabrics require very careful handling or the stitches show and look unsightly on the right side. An excellent plan, and one by which all such trouble is avoided, is to sew a book and eye at the extreme end of the placket, hook it together and pinch the hook tight so it cannot come undone. This will keep neat and prevent the opening from tearing down When the dress is slipped off and on:
When making a bodice with a lace oke, a good plan instead of sewing in is to sew snap fasteners on. then it can be removed and washed when it becomes soiled, without the trouble of ripping out stitches and sewing the yoke in again.
o keep the blouse in position around the waist line, get five patent asteners and sew the pointed part to the waist line of the blouse and the eyelet to a piece of white elastic, making them correspond in position to those on the blouse. Fasten the elasfic with a hook and eye at the ends. This is an excellent plan for a blouse that is not lined, as it allows it to rise and slip down again in position when the arms are raised or lowered.


## The Perfect Child



OUR FOURTH RAT TALK Terrible Spread of Disease Six Millions of People Dead from the Plagues in India Mr. Family Man: Do you know that
Rats are the greateat spreaders of Disease on this Earth? Do you also

## RAT CORN

will exterminate
Safe, Sane and Sanitary ${ }_{2}$ Manner
Do you further know that in addi-
tion to killing mullions of buman beinge by infecting them with Bubonio Plague, the Rat carries Trichinosis and Ten other parasites? rony and Oaneer, 1an't it Horrible to
thins of? You don't want unnecesary think of? Yout don't want unnectessary are among the suneoessary Taxes. Brop paying these avoidable sieknees Taxes, use.
Rat Corn-It surely kills Rata and
Mice Mice. Rat Corn-wil not kill pets, stook or man. Rat
all Rodonts; no odors.
250 . Soc and 51.00 cans Aak your dealer, or sent by mail on
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etc., all gives, very cheap. Send for list, stating what yon what. Tho Imperial
Wate and Metal Oo., Dept. F.D., Queen Waste and Metal
8treet, Montreal.
Send us $\$ 1$ receive by return mail TWO pretty dresses of soft warm material suit-
able for fall and winter wear able for fall and winter wear
for little girls, age 1 to 10 . Add 15 c for postage.
STANDARD GARMENT CO. 812 Standard Beilding, Lenden, Ont.

What is a perfect child; I mean not physically perfect, but from a point of goodness? What would you say if you were asked for your opinion? We want children obedient, but 1 they never assert themselves, we fee hey really have no spirit and no will power of their own. A strong willed child is not easy to control, and
causes mother a goodly amount of causes mother a goodly amount of
hard thinking, yet if that strong will can be impressed with the idea that other people's opinions must be spected, then its very strength carry the child on to success.
1 confess I cannot define a perfect child. I do like to have a child do as I ask with a reasonable amount of he reason why given. I want a child
0 get on pleasantly with other childo get on pleasantly with other children but there is no reason for any
one child always having to be the one to give in to secure harmony -that is worse than quarrels.
ohabscter building A nice lady-like little girl, prim and proper, or a quiet little boy are sometimes quite an attraction, but for real dy character and a sturdy body, it akes action, and lots of it. A great



Take A Handfal ot "St. Lawrence" Sugar Out To The Store Boor -out where the light can fall on it-and see the brilliant, diamond-like sparkle the pure white color, of every grain.

That's the way to test any sugar - that's the way we hope you will test

## $\frac{\text { coburence }}{\text { Suder }}$

Compare it
with any other sugar-compare its pare, white sparkle-its even grain-Ita matchless sweetness. Better still, get a 20 pound or 100 pound beg at your grocer's and teat "ge. Lawrence Sugar" in your home.

MONTREAL
many things which parents are prone naughty at all. They are just an expression of that super-abundance of energy which must be expended in some way. Correction should be administered accordingly

I believe praise helps a child, but it hardly seems quite right to praise till the child takes on such an exalted po sition that it is disgusting to all disinterested persons. 1 know some children who come here to play, and this is what I hear: "Marma says you can' play with me unless you are good to less you are good to me. My mamma said so." accompanied by that superior iook which only a child can ac quire. Apparently there is never an idea of the necessity of beiny yood to the other children. In sucb a child's mind there is always a feeling of superiority to the others. Is this
THE ornan hor's yavira
perfectly lovely for each moth-
er to think her child as near perfect as possible, but it is prinful to try to get on with one who can never sec that Tommy does wrons th
always the other boy's faule.
aways the othor boy fault
There is no grown person in whom we can pick no flaw, so why expect it of a child? And if Sally Smith is a
"problem," just be sure Mrs. Smith isn't earnestly trying to have Sally come as close to an ideal as you are with your own offspring and give her credit for it, before you judge harshly of her of her child. In the meantime consider what is a perfect child

## -Farmer's Review

## THE COOKS CORNER <br> Reotpen for publication are reingeated recipen.ete. filady answered up- 

 Chili Sauce-12 large tomatoes, chopped, two medium onions, chopped fine, three green peppers chopped fine, two tablespoons salt, three cups vinegar, one tablespoon mustard, cne tesspoon each cinnamon and nut ontil of right consistency, about cne and a half hours. Bottle.

*     * 

Tomato Butter- 10 pounds of akinned tomatoes, feur pounds of granulated sugar, three pounds of apples, one quart of vinegar, one-half ounce of stick cinnamon, one-half ounce of race ginger, one-fourth ounce of mace, one-fourth ounce of whole
cloves. Tie the spices in a bag; put all the ingredients on together and boil three hours, stirring constantly.
Chopped Cucumber Relish-Pare and chop fine cne-half peck of medium-sized cucumbers and two onions. Salt each aeparately over
night, drain the next morning and night, drain the nest morning and ing tablespoonful, each, of celery and mustard seed, a level tablespoonful of ground mustard, cne-eighth teaspoonful of cayenne pepper, half a cupful of brown sugar and a quart of good vinegar. Boil ten minutes then bottle and seal.

## $4 *$

Celery Relish-Wipe 18 ripe tomatoes. Remove leaven and root ends from five bunches of celery. Wipe two red peppers. Chop vegetables, mix, put in a preserving-kettle and add two and one-fourth eupfuls of sugar, one and cne-half cupfule of vinegar, two tablenpoonfuls of salt and one teaspoonful, each, of cloves, allspies, cinnamon, mustard and celery seed. Bring gradually to the coliling-point and let simmer ene and boiling-point and lot simmer cne and
one-half bours,
tirring oocasionally. one-half hours, stirring oocas
Fill bottles and seal while hot.

## The Sewing Room

Patterns 10 cente oanh. Order by
number and site if for chlldrees. give age for adulua give bust
meanure for waista, and waist mea. measure for waista, and waist mea-
sure for skirts. Addreas all orden: to the Pattern Department.

TWO-PIECE APRON, 7512


The spron that
teete the ba
as the fron
skirt is a skirt is a very practi
cal one, much liked
for the oocupations
that mean sitting for
any oonsiderable
length of time. This
one is made without
fullness and conas-
quentiy, it is in no
way bulky and is
ahaped to gracefal
lines. There are just
two portions that are
jolned at the side
and the closing is made at the left side. For the medium size, the apron will quire 234 yards of material yards 36 or 44 inches wide.
and 26 inch waint measure.
GIRL'S DRESS, 7517
 as shown on the flgure, banding to trim inehes wide to make chemisette, as shown in the small viev, and 10 yarde of braid This pattern is cut in sises for girls 10. 12 and 14 yeare of age.
 The pretty, amart, Dlain blouse is at
waye in demand and
this one inelndes eer this one includes oer Championsh Cows, matur而, three nd 4, Haley: nd 5 , Hulet; Yearling he Frulet: aley Bron.: Junior heife Best four 0 tulet: \$. Goc
Graded her Cham
ing season, these are in every way to
commended but for the remaining weeks of warm weather, the ahorter alcever vill be found more comfortable.
For the medium aize, the blouse will require 31.4 yarda of material 27, 2 yard 36 or 134 yards 44 inchee wide with $\$ 4$ yard 18 inchee wide for the ohembartu and i 3.4 yards of lace for the frilie of 30 yard 27 inches wide for the collar and ouff.
This
This pattern is eat in sizes for 34 , $X$ 36,40 and 42 inolh bust measure.

事 4
CARE IN ORDERING PATTBRNS
Be surs and state alne, also number patterns. Do not send infustrations of pal teras. Order by aumber and aize only

## Dairy Cattle at London

Holsteins at London last week were practically all animals that had been shown at Toronto the week previous, with the addition of the herd of Trebloock \& Son, London Ont. But the placing of the animals by Geo. Laidaw, of Aylmer West, Ont., showed
hat judges differ in their opinions of what constitutes a good Holstein. The greatest change made by Mr, Laidlaw ras in placing Haley Bros.' Toronto Cirand Champion heifer out of the
prize money altogether. The most prize money altogether. The most
scrious fault that Mr. Laidlaw found fith this heifer was a tendency to droop in the back.
The competition was mainly be ween the herds of Haley Bros. Springford, G. Gooderham, Bedfor Park, and R. E. Hulet, Norwich.
The Haleys and Hulet bad reduced the strength of their herds by sales, while Gooderham had increased the strength of his Holsteins as comparde with Toronto. Haley Bros., however, got a nice bunch of firsts with their young stuff ; Gooderham got several firsts in both male and female classes, showing up much better than inship female had a good share of be money
Hulet's champion male, Ina Triton 2nd Abbekerk, was never in better ondition. The great length, excepionally straight strong back and great constitution of this bull make him a very choice animal indeed. Haley Bros. came in for the female hampionship with Francis Schutless,
splendid strong sappy heifer of the kind that has kept this herd to the ront in the show yard.
A cow of particular merit was Queen De Kol Posch, shown by Gordon Gooderham. This cow was first as a mature cow although at a disadvantage in being dry. She is an exceptionally large cow, of good length. and gives promise of a massive udder of the right quality when she comes in. In two year old cows Hulet had a particularly promising animal that, had it been in milk, would have that, had it been in milk, would have
stood a good chance for first place. stood a good chance for fir
The awards in full follow:
holstain plaotnes
Aged bulla: 1, Holet; 2, Haley Bros.; Aoderham.
Bulle 2
Buls, 2 years old
Haley Bros.: $\mathbf{3}$. Hulet.
Balli, yearling , Hulet. Bulla, yearing: : 1 and 2, Haley Bros.: ulet.
Eulla, senlor calf: 1. Haley Bros.; 2 and Bulle, funior calvas:
Buik, Junior caiven: 1 , Gooderham: Championshitp male: Hulet

Females
Cown, mature clasa: 1, 2 and 5, Gooderham: 3 and 4, Hulet.
Cow, three gears old: 1 and 2, Hulet: and 4, Haley; 5, Gooderhnm.
Two-year-old heifera: 1 and 2. Haley: and 5. Hulet, 4, Gooderham.
Yearling helfers: 1 and 2, Haley; 3 and Hulet: 4, Gooderham.
Benior helfer calf: 1, Hulet: 2 and z, Faley Brosit 4, Gooderham. Junlor heifer calf: 1. Hulet: 2, Gooder Hent 3 and 4, Haley Bros. Best four oalves: 1, Haley Bros.: 2. Hulet: 3. Gooderham.
Graded herd: 1 and 3. Hulet: 2. Gooder-
Champion female: Haley Bros.

## A YRBHTREA

The Scotch milk breed was represented by only two herds, those of im. Stewart \& Sons and Alex. Hume Son, of Menie, Ont. The animals cre the same as shown in Toronto. fume got a little the best of the arent having both championship nals, the graded herd prize and
rous firsts in the heifer classes bull Auchenbrain Hercules again ver Stewart's Sprinhill Cashier rtue of his size, substance and ritution. Stewart had a particu. nife lot of heifer calves under e year. A lot more uniform in size,
marking and quality it would be hard to find.
In cows, Hume won with Bellesland Nan 4th, a strong cow of substance. a deep, well sprung rib, and a large and well shaped udder. Stewart's cow in second place was an animal of a little nicer quality, had the best shaped and finest handling udder of the lot, but lacked somewhat in substance as compared with the winner. The awards in full follow.

ArRshirg AWARDB
Bulle, 8 years and ap: 1, Hume: 2, Stew-
Bulle, 2, years and under 3. Hume.
Hume. 1 year and under 2: 1, Stewart;
Hume.
Stewart: 2 , under
Champlonship
Crain Heronehip male: Hume, on Auchenbrain Hercule

Females
Mature cows: 1 and 4, Hume; 2, and 3, Stewart.
Cow, 8 years and under $4: 1$ and 4 , Stewart; 2 and 3, Hume,
Heifer, 2 years old: 1 and 2, Humes Heifer,
Heifer, 1 year old: 1, 2 and 3, Humes
Heifer
and 4, Btewar
Champlonehip female: Hume.
Graded herd: 1 and 3, Hume; 2, Btewart,
Four animah, gret of sire: 1, Hume;
Stewar
Hame; 2, Stewart progeny of one cow:
Four calvos under 1 year: 1 and Suewart; 2, Hume.

## JERERYY

The making of the awards in the Jersey classes was merely a case of B. H. Bull \& Sons and even they could not be considered strong, the best of their stock having gone to Ottawa, where the keenest competition was expected. The other princi pal exhibitor was Mrs Lawrence of London. Her principal win over Brampton berd was in senior bull calves, where an animal lacking some what in quality but great in constitu What in quality but great in constitu-
tion won on the latter point. The following is a list of awards:
JERBEY AWARDB

Mature cowe: 1 and 3, B, H. Bull: 2
Lawnon.
Cow, 8 years old: 1, 2 and 3, B. H. Bull. Cow, 2 years old: 1, B. H. Bull; 2, Mrs. Yearling
Yearling heifer in milk: B. H. Bull. Mac. Oampbell and Son, Borthwo Bul Mac. Oampbell and Son, Northwood
Junior helfer calf: 1, B. H. Bull. Bull.
abwrence.

Championahip female: B. H. Bull, on Brampton Bright Princeas.
Bull, ${ }^{3}$ years old: B. H. Bull
Bull, two years old: 1, B. H. Bull; 2, Mry. Lawrence
Bull, 1 year old: B. H. Bull,
Senior bull calva: 1, Mrs. Lawrence: and 3, B. H. Bull.
Junior bull salves : 1, B. H. Bull; 3 and Mra. Lawrence and B. Lawson (tled). Ohampion male: B. I. Bull, on BrampOn Stockwell.
Graded herd: 1, 2 and 3, B. II. Bull. Young herd: 1 and 2, B. H. Bull.

## The Western Fair at London

(Ooncluded from page 11)
iduals, but they, too, were down in numbers and in some cases in quality.

## higep cattla

Shorthorns and Herefords were al most equally well represented. L. O Clifford, Oshawa, Ont. and H. D Smith, Hamilon, were the principal xhibitors of the latter, while four herds that competed at Toronto, thos of Jno. Guardhouse \& Sons, Amos \& Son, Mitchell Bros., and Melick of Edmonton, along with some local animals, made competition keen in the Shorthorn classes. Some superior Polled Angus were shown by Jas. Bowman, of Guelph

The sheep exhibit was short in numbers. Short wools were most numerous. For the first time in many
years Jno. Campbell had practically no competition in the Shropshire classes ; Robt. McEwen was strong in
Southdowns: Messrs. Harding and Orchard in Dorsets and Arkell \& Sons with their Oxfords.
There was more competition in the swine classes than at Toronto. J E. Brethour gave D. C. Flatt warm competition in Yorkshires. D. Dou lass had all his own way in Tam worths. A strong bunch of Chester Wright, Glanworth, and D. DeCourcey of Bornholm. There was strons competition in Berkshires and Hampshires, there being four exhibitors of the latter.
The fruit exhibit was one of the best ever seen in Western Ontario.
The plate exhibits surpassed in qual. ity the same classes at Toronto, and in quantity were almost on a par with the larger exhibition.
The poultry show was a "reat suc cess, the fancy and Mediterranean breeds figuring more prominently
than the utility breeds.

The profit in keeping cows comes from the extra amount of milk that they give above the ordinary yield on common pasture or coarse feed.

## Economize

on Milk for Calves and
Make More Money

Raise beaitay, thrify, vigoreus aives at the fowset posatble oces.

## CALFINE

## "The Steckman's Priend" (Made in Canade)

CALPINB is a Fure, Wholenome, Nutritious meal for calves. It fo made ta Canala, and you have ne duty to say.
Peoding direetions eent en apsilentlea.
Aalr your dealer for Calfae. If the doee not handle 16 , send wa a money order for 82.78, and we will send 100 lbe. to any station in Ontarlo. We pay the trotehs.
CANADIAN CEREAL AND MILLING 'C0., LIMITED TORONTO, CANADA

## Percherons

have arrived back with my im-
portation of Percherons from Prance. They are good ones-Two-year-old and Three-year-old Stallions and mares.

They have done well at
Toronto Exhibition. I will have hem at Ottawa and Ogdenburg, N. Y.
$I$ Invite you to come and inspect them, or wrife me for particulars and prices.
J. B. HOGATE Weston, Ont.

## HOLSTEIN-FRIESIANS BEAT THE WORLD'S RECORDS

The Three Most Wonderful Cows the World Has Ever Produced!
ALL DAUGHTEERS OF ONE SIRE


BREEDRR'S DIRECTORY
Oarde under this head inserted at the rate of 84.00 a line per year. No oard mocepted ander two lines nor for lese than six months, or $\mathbf{\%}$ fingertione during twelve monthe.
 YORESHIRE PIOS, all agee, either aex. POR TAMWORTH SWINR-Write John W Oholee Young Boars, fit for service. Also Sows
ple.
HAMPSHIRE PIGS Onnt Chamzion herd. Boar herd headers gown, three months and under. - Hastings Bros. CI,YDESDALES. Imp. Stallions and Fil. liea, Freeh Importations always on

HoL.STEINS-Yonng atoel, for male, Birea by Imperial Panline DeKoi whicse I nearest dama average
In 7 days.- B . W, Walker, Utios, Ont.

## CL.YDESDALES - Home of Aome. (Tmp.)



Ther



## HOLSTEINS

## RIVERVIEW HERD

 whoee 3 neareat dame and alater aversee
30.18 LBS . BUTTER IN 7 DAYB and IIS:
 lbe. in so days from dama of imewise P. J. SALLEY, LACEINE RAPIDS, QUE.

Forest Ridge Holsteins A fem sons of King Begis Pletertie for
gale, from teated dama. Prised right oonsidering quality
Also is fow Heifen bred to bim for sale. Write si for what You want or better
oome and nee them. Angthing we own fa for asle.
L. H. LIPSITT, strappordille,
Eigin Co.

## LYNDALE HOLSTEINS

回Bull Calves rom high rec
cows sired by the $\$ 2000$ Bull King Pontiac Artis Canada

## brown bros.

## hOLSTEIIS AND TAMWORTHS

From R. of P, and R. of M. Dams, sired by Sir Lyonn Henscreale segie Mis
recend $3 \%$ the. His sire King Begis.
J. McKenzie, Willowdale, Ont.

## lILAC HOLSTEIN FARM

R
Offers young stock, One or a W. FRED. STURGEON Glen Buell, Ont.
Bellany's Sta., C.P. R. Brockville, G. T. R.
Campbelltown Holsteins
We will bave something extra nice to
offer you this year at The Bouthern on.
 R. J. kelly. tillsonbura, ont.

## FAIRVIEW FARM HERD

Too much money is spent every year for poor bulls Pontiac Korndyke,
good one? Sons of Pontial Rag Apple Korndyke, and Sir Johanna Colantha Gladi, for sale; 150 bead in berd. Come and see them or wrise. E. H. DOLLAR. Heuvelton, N.Y.

## HOLSTEINS

No matter what your needs in Holsteins may be, see RUSSELL, the live Holstein man.

He is always prepared to furnish anything in Holsteins.

Write, or come and inspect
T. H. RUSSELL Gengya, ohlo,

## MAPLE LEAF

HOLSTEINS
When looking for Bolstein Oattle plan on making © Firft to Maple Lat Atook Farm. Oen show you over 300 head in few hours time. The place to buy if yoe GORDON H. MANHARD Clark's Station, C. P, R.

MANHARD, ONT
Brockville, G. T, R.

##  <br> MARKET REVIEW AND FORECAST

## 

Toronto, Monday, Sept. $16-$-Foreign ad-
viees still continue to give the most vices still continue to give the mont
gloony viows regarding the state of the crops over the greater part of the con-
tinent and in tinent and in England. Germany and the
United Kingdom seem to be the worat sufferers from the torrential downpours that have beon the marked features of the past few weeks, and the damage to
erops is almost incalculable. It is with more than ordinary anxiety, therefore, ed. Its sote harreating will be await with reliet half the world over. From Wrehington comes the statement that the be 203 the United States this year whin lant yeark produet, and the capacity of utmost. In the financial world the money market is somewhat tight. due.
for the most part, to the large calls for the western harvest. The proeppects are range from 6 to 61.2 per cent.

WHEAT
Wheat durine the past weelt, owing heavy selling for export, but pricee have ranged around those quoted in last impending heavy nhigments from the wesi will tend to lower prices. Dealers quote
No. 1 Northern, $81.131 / 2$; No. 2, 81.101 .2 , No. 3, \$107.2: feed wheat, 65 e a bush
Ontario whent, No. 2, old, 97 c to $9 t \mathrm{e}$ a bush.; new, 950 to 940 a bush., in car lots.

There is a sood demand for coarse
erains, essecially for oats, and the followgrains, essecially for oats, and the follow-
ing priees are guoted. Canadian Weater ing prices are quoted: Canadian Weatern No. 3, 451.2 e at lake porta. Ontario No 2. White, 4 e to 4 e at country pointe: 46 c to 47 o a bush. at track. American corn,
No- 2, yellow, B5es No. 3, B4o at lake ports: peas, 90 ; buekwheat, The; rye, 70e; barley 65e outaide.
Montreal srices are as followe: Canadian Weatern oats, No. 2, 50e; peas, 8225 to 82.35 ; new malting barley, 700 to 75 e ;
feed barley, 500 to 61 c ; buckwhent, 74 c to feed barley,
750 a bushel.

MILL STUFFS
Wholesale prices for mill fedin are as Collows: Manitoba bran, 822 to 828 ; shorta
$\$ 25$ to 825 . Ontario $\$ 25$ to 826 : Ontario bran, 822 to $\$ 23$
shorts, 825 to 826 . shorts, 825 to 826.
Montreal prices.
Mingtreal pricon are: Bran, 823 ; mid
dings, 828 to 899 ; shorta, 879 in dilings, 828 to 899 : shorts,
HONEY
Wholesale srices are unchanged from

## HOLSTEINS

WANTED
holstein bull calf
From one to two months old, with pedi-
Send aescription and price to
FARM AND DAIRY, Peterboro, Ont.

## WHAT ABOUT

That Auction Sale
 p. n. mecellovan a son, navan. ont

GLENDALE HOLSTEINS
Entire crop of pure-bred Holateln Ball
Oalves and a limited number of Heiferis, Oalves and a limited number of Heifers,
whose three nearest aires have uired May
Ncho Sylvis over E.ho sylvia, over it ibs, butter in 9 daye
R. 0 M. at it yer it monthe (world'g re
cord). a senior two-year-old (Forld in reoord), and
Jewel Pet Ponch De Kol, ds 58 Ihe butter Jewel Pet Posch De Kol, 38.50 los butter
nt 4 years (world's rocord), Prices reanon-
able. All correspondence. promptly ans. wered.
WM, A, SHAW, Box 3, POXBORO, ONT
following figurem: Buckwheat boney, $63-4 \mathrm{c}$
to 7o a lb ; strained honey, 11e to 130 a
lb. comb honey, \$2.50 a dosen.
 speoted steers. 13e; No. 2, 12o: No. 3 , 11 in a b. : horse hides, 83 to 8550 ; horne hair,
7 c ; calf skins, 170 to 18 e ; lamb ekind, 370; ealf skins, 170 to 18 e : lamb ekins,
Unwashed wool, 13 1.2e to 15 L
wool, 20 e to 24 e ; releeta, 16 c .
wool, 200 to 24 e: rejeets, $16 e$.
In Montreal prices for hides
In Montreal prices for hides remain unchanged

HAY AND STRAW
The wet weather has had a backward affect on delivery of hay and straw, but
there is no change in pricen, quotations being the same as those given last week. boing the kame 1 old hay, 815 to 81550 ; No. 1, new.
No.
810 812.50 to 818 ; No. 2. new, 89 to 811 ; No, 8 , is selling from 818 to $\$ 19$; new hay, 813 \% 816 ; elover and mixed hay, $\$ 12$ to 813 ; and straw at 818 to $\$ 19$ a ton.
hay, $\$ 16$ to $\$ 1650$ : No, 2 follows: No hay, $\$ 16$ to $\$ 16.50$ : No. 2 , $\$ 14$ to $\$ 15.50$;
No. 3 , $\$ 18$ to $\$ 12.50$; elover, mised, $\$ 10$ to
311 a ton. EGGS AND POULTRY
Pricee remain stationary in these
inea. Recelpta are still large and adequate to public needs, notwithstanding the brisk demand created by the Jewinh
holiday trade. Wholesale pricos are ai
tras holiday trade. Wholesale pricos are as
follows: Freah eggs, $2 \delta$ to to 240 ; new laids, follows: Frewh eggs, 23 e to 24 c ; new laids,
27 o a dosen in oase lots. On the farmers 27a a dosen in oase lots. On the farmers
market new laid egss are selling at 30 p Montral dozen.
Montreal prices for eggs: Wholesale are Bylected, 28e to 290: seconds, 19 o to 20 e a dozen.

DAIRY PRODUCE
There has been a slight advance in the price of butter during the week, due to decreased receipts. The lateat local
quotations are: Oreamery printe quotations are: Oreamery printe, 2bie to 2so: dairy prints, 23 so to $2 s \mathrm{se}$, and inferior
quality. The to 2 e . Montreal priose are as follows: Oreamery, 27c to 28 c ; dairy, as followa: Cre,
3 se to is $1-2 \mathrm{c}$,
On the local market new twin cheese are quoted at 15 e to $151-4 \mathrm{c}$, and large cheese
at $143-4 \mathrm{e}$ to 15 e a lb . Montreal pricee for
 checse are: Weatern, 13120 to $135-8 \mathrm{c}:$
Eantern Townehigs, $31-8 \mathrm{e}$ to 13 J sc , and seconde, 1212 e to 1234 e a Ib.

POTATOES AND BEANS
Looal prices for jotatoes are as follown: New Ontario, 81.10 a bag; car lots, 90 a
bag. Pricen remain stationary for beans at 83 for primes and 83.10 for three pound pickers.
Montreal quotations show a drop owing to inereased receipts, and are as followa: 75 c to 80 c a bag in car lote, and 5 c to $\$ 1$ in a jobbing way
FRUIT AND VEGET
The receipte of fruit and vegetables atill continues to be heavy, and local prices are as followe: Cabbages, 81.25 a crate: oranges, 84 to 84.75 a orate; water melons, to 81 : peaches, $6-\mathrm{at}$. baskets, 40 e to 500 : apples, basket, 300 to $3 \mathrm{c} ;$
$\$ 1.25$ to 81.30 ; plueberries, 6
qte., 40 e to 60 c, plums, 11 gte., 40 e to 60 c ; Oalifornia pears.


## HORSES

The advent of the fall faire is bringing horse flesh into prominent notioe, and will helg to atill further increase the al ready brisk demand. The weet is atill calling for heavy drafters, and prices remain the same in this and the other grades as thone quoted laat week. Heavy drafters, 8810 to $\$ 930$; modium quality. 8175 to 8220 ; choice medium weight, $\$ 260$ | to $8310 ; ~ f a i r ~ c u a l i t y, ~$ |
| :--- |
| 190 |
| agricultural horses, 8150 to $\$ 315$; good |
| ent | ens, $\$ 150$ to $\$ 200$; saddle. horses, 8150 to 8275 : drivers. $\$ 130$ to 8140 .

> LIVE STOOK

There was a muoh firmer tone in the cattle market last week, eepecially to
wards the elose. This frmnens, however wards the elose. This firmness, however, did not extend to shoep and lambs, whieh
dropped in price to elose on 500 dropped in price to elose on ino a owt.
The most noticeable fnerease in price was in hogs, which, owing to scareity of re. ceipts, rose io centa a owt. Steers and in priee during the week. There whe heavy demand noticeable for atoekers and feeders. Choios butohering eattle and fat cows are finding a ready market at grood prices.

Dealers make the following quotations:
Export onttle, choipe, 86.90 to 87 ; do.,
nollum, 85.50 to

n $85 ;$ butehers' $\begin{array}{ll}1575: \text { do., medi } \\ \text { redinary, } & 84.60\end{array}$ | cainary, |
| :--- |
| S.50; bulls, 83.50 | t to 85 ch ; do

83.75 ; eanner ows, ehoice, 840 ) Ia . ibse 85 to. acks. 8250 to 8 .

## HOLSTEINS

WILLOW BANK HOLSTEINS
and out of Imported Dam. Born Apri
15th, 1909 . Large, siralght and nioely marked. In oalf to a good an of Coun Hengerve Also a number of Young Bulls.
nearly ready for servioe, whone nearly ready for servioe, whone gran
Mres are Johanna Rue 4th Lad (2105) and
Tidy Abbekerk's Mercena Posch (4391) Prices low.

## COLLVER V. ROBBINS, RIVERBEN Penwick Station, T. H. B.

## MayEcho

lise Made 31.34 liss
 Her son, Ste Echo, aleo aphlifal Buil
Calves of rieh breeding. ane for nile Calve of rich breeding, arpighor nuip wome and inapect, aloo offyr Clydesdales, I four-jear
We alt d stallions, if mares and ofow flifies exoellent individuale of popular bree
ing ino Hackneys, two stallions, s old and one 4 gaars old, and $t$ wro me
years old, knd one mare, 4 years ol We will be Noased to answer

## ALLISON STOCK FARM

W. P. Allison

Chesterville,

## T Ourvilla Holstein Herd <br> veloped here. The only herd Ita Was de that contains a $1831 / 4 \mathrm{lb}$, 30-day cow The only herd in Oanada where is year-olds with first osives averaging 17 bs. butter in 7 days have been develop Ibs. butter in 7 days have been doveloped also the only herd in Oanada oontainit 6 junior two-year-olds averaging in B . of p . 13.172 the. milk, 547 lbs. butter. If you want to raise some of this king sueure a ball ready for sorvice or bul oalf, all sired by our bull whope two near days. dams average 31.83 lbs . butter

EDMUND LAIDLAW \& SONS, CLGIN COUNTY, AYLMER WEST

AVONOALE FARM HOLSTEIIIS
Yortstire and llorsed Dorsets
A. C. HARDY = Proprietor SERVICE BULLS: KING PONTIAC ARTIS CAMADA, -8ire
 ibe butter in wislays.
FRINCE HENAREVELD PIETJE, - Mim Prinosen Bengerveld DeKol - Bis. 64 im hatter is 9 days: hirheat reeord dangh hat of Hengarveld Dekol.
imperial English Yophahires from Pris
inning atook, and all agse, for sale.
Address all correspondence to:
. LORNE LOGAM, Manager, Brockillio, Ont.

LAKESIDE DAIRY ANO STOCK FARM Present offering, Bull Calves $y$ from Recond of Performance dams; also a few females.
ซ. P. BELL, BRITTANMIA EBIGBTS, ONT Ottaws Bell Fhees.

LAKEVIEW HOLSTEINS
We are offering soveral Young Bulls of
the eholest breeding and individuality. the ehoiceat breeding and individuality
They are aired by our acn of Oolantha They are aired by our acn of Dolantha
Johanna Lad, and their dams are aired by oar son of Pietertje Hengerveld Ooun Toronto. Oome and see ua.
ITerd bulls, Count Hengerveld Farne E. F. OSLER. BRONTE, ONT
"LES GREMAUX FARMS" HOLATEINB-Winnern in the ring and the pail. Gold Medal herd at Ottaw Fair. They eombine Conformation and Pro Bull and Heifer Oalves from our wib DR. L. DEL. HARWOOD, D. BODEN,

## 


modium, 8550 to $\$ 8.85 ;$ © ©o, ordtinary, 86
to $86 ;$ butehers'
eattle, choige 8650 1086 ; butchers eattle, eholce, 86.50 to
W55: do, medium, 85.75 to 86.25 :- 4 o ,

 | ordinarg, |
| :--- |
| $\$ 3.50:$ buils, 83.50 to 84.75 : stockers, cholce, |
| 4 | He 83.75 : eanners. 81.75 to 82.50 ; milch

 i9: la ube, 85 to 8625 : ewes. 83.50 to 84.50 , bucks. 8250 to 8325 : hogs, fod and waterc. s. 8.75 : do., fo.b., 88.36 .

THE TRADE BULLETINS
London eable announeen an advanee
ane to two shillingis on bacon. Canadian bucon, 718 to 75 .
MONTREAI. HOG MARKET Montreal. Satarday, Seat. 14.-There Whs no change in the ecndition of the
market here for live hogs this week. Buppllee were ample to meet the demand. which wan good from the packers, and
sules of selected lots were made at prices mane of eelected 8625 to 88.75 per 100 thes.
ranging from 82 ranging
withom of ears
wis
there was a steady demand for dremed hoss, frem hilled abhatoir stoek being
nonoted at $\$ 12$ to $\$ 1250$ per 100 ibs EXPORT BUTTER, AND CHEESE Montreal, Baturday. Sept. 14.-The long ergected break in the pricess ourrent for
cheese hos come at last, and this week chese hos come at last, and this week
nur a droy of over 1.2 cent a lb . in the prices pald at the eountry boards. The
market had been forced too high market had been forced too high, and the
hith cont of the artiele was having a de-
idted effoct fied effeot upon the consumptive deand osusing an socumulation of stooks
both sides of the Atlontic, with the table result that doalere refused to
onk the goods at the current and a resction immediately set nd as a conscenence sricee in the
ry ransed from 13 cents a lb., With ransed from 18 eents a lb , with
nd thern a fractlon more or less d. There is no rush for the
on at the deeline. and if the
next week in not ecual to the next week is not ecual to the
may nee a still further break
mill All depends upon the demand sjeculate in the denlers here espectally his winter.
The market-for butter is atill further Il parts of the country for Beptember inde butter for storage purposes. The is $\eta 73 A c$ to $n i=15 \mathrm{a} \mathrm{lb}$. The rapidly deelining, and aoon there os supply the weekly requirements of the

## OUR FARMERS' CLUB

## 

PRINCE EDWARD ISLAND.
PRINCE CO. P. E. 1
KRNSINGTON, Bept. 7-It has been good Wenther for the last few davs.
sraito has ripened wonderfally However, there fo still grain as errase. Considerable rust on
but a good length of straw. Corn but a good length of straw. Corn
haif a crop. Turnips are
falr. half a erop. Turnipe are fair.
are pood. Errse are gelling at ms, 855 to $\$ 50$. Horsea are not mand -T. 6.

## ONTARIO

GRENVILLE CO. ONT.
DoMvilus, sept. 11 .-The post offlee dement at Ottawa have established two mall routee, ove Prescott to Pree-
and the other Domville to Domville. farmers sparselate it very mnoh Ow.
to rain falling almost every other ernin falling almost every other ing and heating in the atook. Late
Which the farmers are now outting hthe farmers are now outting
than the early. The farmers the grubis are destroying late

## OXFORD DOWI SHEEP

##  4 gherbrooke. 1911

sTock mannks, Metal aur tage
for catile. sheep and hoyr.
 and low goample and cireular
free, write for them. F. A , James, Bowmanalle, Ont
here are saving a plece of second growth
elover for seed. It is flling very well and elover for seed. It is filling very woll and
there should be a good yield.-G. $\mathbb{N} . \mathrm{O}$. hastinges co., ont.
CHAPMAN, Sept. Hi--Harvesting has been, much delayed owing to the con-
tinued wet weather. Conditions seem uomewhat more settled now. Very
netitle threehing has beon done as yet. Corn 10 making a good growth and will be a good er p. Patures continue good as a result
of the frequent ehowers, and new seeding is making a good growth. Quite a large is making a good growth. Quite a large
acreago of red clover has been left for acreago of red clover has been left
seed this year.-H. B. T.
PRINCE EDWARD CO., ONT.

PRINCE EDWARD CO., ONT.
PIOTON, Bept. 11.-The wet weather has oaused a good deal of damage to grain.
The straw in some cases is nearly epoil. ed and getting so rotten that the head
break off and are loat. My neighbor has break off and are lost. My neighbor has
turned about 20 aeree of onts several turned about an acres of oats several
times, and been ready to thresh, and on comes the rain again. Some barley out yet and straw very black. Have heard of
some sprouting and extra cost to turn aome aprouting and extra eost to turn
the erain, ns a bis majority of the grain has had more or less rain- -M . B.

YORK CO., ONT.
NEWMARKET, Sept. $11-$ Wet weather conditions provalied generally throughout York oounty, damaging the crops to quite the wheat, onts and barley will be damagad by eprouting. Corn ts doing well now. is are all other root crops. Orop sield is very good.-W. K.

ELGIN CO., ONT
MILAB,
PAYNE'S MILLS, Bept. 14.-The harvest is all gathered in, after a tedious spell of
very wet weather. Some of the oats start od to spront samples will be somewhat discolored. The new eveded flelda look just O.K. Beautiful fowers and vegetables are growing in the
sehool-ground. The best kept garden that shool-rround. The best kept garden that house is found here, and the work is all done by the soholars. It is a splendid
education for the young minda:-J. B. 0 .

SIMCOE CO., ONT.
BRADFORD, 8ept. 12 -Wet weather hae delayed the harveating of oats and there is a amall percentage of wheat grown and
barley very much discolored. On the whole the damage has not been so great on account of the weather being oool
during the wet season. I don't think the during the wet season. I don't think the
lose will be very great due to the wet weather, he the dreat due to the wet used for feed.-R. F. 0

## HOLSTEIN-FRIESIAN NEWS

Farm and Dairy Is the offleial organ
of The Canadian Holateln - Frieflan
Aanociation, all of Whone membere are rasaises of the paper. Memberi of
the Assoonation are Invited to uend
items of intereat to Holatela breederi $\left\{\begin{array}{l}\text { tems of intorest to Holatetn br } \\ \text { tor pubileation in this oolum. }\end{array}\right.$

## holsteins at ottawa

The Holstein elasees at the Dominion Exhibition at Ottawa last week were well filled, and competition was keen, alof whom hid only one took part, two of whom had only one or two entries
The main exhibitors were the Colony Parm of M. Coquitlam, B. C., and the Avondale herd of A. C. Hardy, Broekville, both of whith had shown the week before in Toronto. The other exhibitora were Neil Sangster, of Ormatown; W. F. Bell, Britannia: Robt. Webb, of Seeley's Bay, and A. L. Stachhouse, of Kinburn,
The main conflict for the firat awards The main coniliot for the firat awards
was between the flrst two herds. Some of was between the flrst two hends. Some of
the animals in the Colony Farm exhibit the animais in the Colony Farm exhiblt
were beginning to ahow the effeote of were beginning to show the effocta of
their long oampaign on the rond. This oold against them nomewhat. Several of ho decisions registered tho weok before the judere, $0 . A$. Brethen, of Norwood. Mr. Brethen did good work on the whole, and gave satinfaction, although hia placing of the clamplonehip bull and one or two other deoisions oaused some surprise.

## Aged Bulls

In aged bulls the Toronte deciaion was reversed when Hardy's bull, Prince Hen-
garveld Pieterte was. placed over the Oolony Furm bull Meroona Valo, which was not in cuite as good form as when shown in Toronto. Both are grand bulls, but it is a cuestion if this devision ehould havo been changel Sangster was third pion at ptawa and reserve at Toronto
in 1911. Thie bull hae plenty of dairy
type and vigor. Twear-OId Bulls
In this elase the winner was pleked out in Aagrie Cornueopia Newman, shown by the Oolony Farm. Hardy's bull, King Pontiae Artia Canada, was accond, and a
bull shown by Robt. Webb thind, bull shown by Robt. Webb third.

Yearling Bulls
This olam provided the ultimate champlon of the show in Homentead Abbekerk
Prinoe, owned and shown by house. This is a fairly well proportioned bull, guite growthy for his age, but hardIy all we would expeot of a champion. It tie later got is he desorved the placing what in vigor and masculinity, and has not got the bone, nor the substance, nor idered, that were ehown. A nieely pro portioned, vigorous white bull shown by the Colony Farm, which won fourth at oronto, was placed second in this clase,
and Hardy's two bulls, Sir Johanna Korn. dyke and Paul Wayne De Kol, third and Tourth. Fifth went to a bull shown by
W. F. Bell.

## Female Classen

Twelve grand cows faced the judge in
the aged cow class. A few that were dry howed to disadvantage, although among them wcre some which otherwise might
have been top notohers. The Oolony Farm have been top notohera. The Colony Farm
had five entries and repeated their ene onss at Toronto by taking the firet award on Verona, the Toronto winner. This
cow has most plensing lines, with grand cow has most plensing lines, with grand d pth and a good udder, carried well to
the back. She seemed lacking. however, he back. she seemed lacking, however.
n mpring of rib and the constitution which it denotes, which led some to think Which it denotes, which led bome to think
that the judge would not have made a mivtake had he placed Hardy's mecond prize cow, Pride of Orehard Hill, first. Finner, but ahowed greater lines of the and an equally capacious adder. She had been in milk longer, however, which told against her. The third award went to tho Oolony Farm on Lady Aagrie De
 Bhodas Quecn, a nine.year-old cow that
is beginning to show her age, but a grand type of cow, low down and well proportioned with milk veins running right to the shoulder on both sides. Colony Farm was fifth. The Awards
The awards of the remaining clasess
 and 4th, Oolony Farm; 5th, Bell. Farm; 2nd, Hardy; 4th, Bell; 5th, Bang ster.
Senior yearing heifers:
Ist, Bell: $2 n d$ Hardy; 3rd, Colony Farm; 4th, Bangster. Heifer calved after January 1at, 1911 3rd, Hardy.
Heifer over six months and ander one year: 1at and 2nd, Hardy; Jrd and 4th,
Colony Farm: 5th, Bell Aged herd: 1st, Hardy; 2nd and 3rd, Colony Farm: 5th, Sangater.
Beat female, any age: This award was won by Colantha Yayne, shown by the Oolony Farm, a junior yearling that was brought out in grand form. This helped here to win over her stable mate Verona.
Senior hord lat, Hardy, who showed the Senior herd Lat, Hardy, who showed the
Arat prize aged bull: wecond prize aged Arat prize aged bull: mecond prize aged
cow, first and second prize three-year. oids and the socond prise two-gear-old 2nd and Jrd, Oolony Farm.
Junior herd: Let, Hardy; reserve, Colony

## Farm.

Senior bull calf: Ist and 3 rd, Colony
Farm: 2nd, A. Moore, Hawihere Parm: 2nd, A. Moore, Hawthorne; 4th and Sth, Hardy.
Junior bull calf: 1st, Bell; And and ith. Hardy: 3rd and 4th, Bangater.
Beat bull, any age:
Beat bull, any age: 1st, Stockhouse;
serve, Hardy.
hOLSTEINS TO GO AT AUCTION Thirty-five Holateins of excellent breed-
ing are to be sold by J. R. Newell, of Orampton. Ont., and will afford good buying to those who attend the wale. Mr Newell has not been in good bealth for a conaiderable time, and has not been able to give hie stook the official reeorde his oattle are capable of making.
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and a few mature oowis for sale.
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the Advanoed Regieter, while the dams of a number of the others are at prosent on-
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QEO, H, MONTGOMERY, PROD.
IO. H, MonTaomstry, Prop.
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cluded among which are some individuals bred by PONTIAC KORNDYKE.

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