

VOL. XXXII.

NUMBER 36

TAIR

RURAL HOME

PETERBORO, ONT.

SEPTEMBER

1913



WHO CAN ESTIMATE THE VALUE OF A PURE BRED SIRE SUCH AS THIS!

Canada's population of dairy cows numbers about three million. Only one in several hundred of these is pure bred. The average annual production of all Canadian dairy cows is a little over 3,000 lbs. of milk a year. Many pure bred dairy herds average several times as much. How are we to impart to the great number of average herds the high prolucing qualities of the few pure bred herds? Here it is that the pure bred sire is invaluable. Just in proportion as these sires find favor with dairy farmers will the

average herd he improved.

DEVOTED TO

BETTER FARMING AND
GANADIAN GOUNTRY LIFE



AND

CAPACITY

OF THE

Open for Cleaning

Standard for Convenience in Handling and Cleaning

Held by

Because the

LINK BLADE SYSTEM

is more efficient we can produce a given size bowl, say, 700 lb, per hour bowl, that is of smaller dimensions and weighs less than other bowls, and at the same time does the same amount of work. We are enabled also to run the bowl at a lower speed.

This smaller bowl and lower speed in connection with the use of the highest grade of ball bearings known, produce absolutely the

most efficient separator there is. most emcient separator there is.

The "Simplex" with our mounting the bowl on the floafing Hess-Bright Ball Bearing, makes the bowl less sensitive to running roughly and getting out of balance than the ordinary type of

The "Simplex" is the only machine which does not employ spring neck bearings, which have always been a source of trouble

in Cream Separators.

in Cream separators.

There are many other features of the Simplex, which it would pay you well to investigate. Send to-day for booklets, etc.

We will be pleased to meet Farm and Dairy readers at our exhibit at the Canadian National in Toronto.

D. Derbyshire @

BROCKVILLE, ONT. Head Office and Works -Franches: PETERBOROUGH, Ont. MONTREAL and QUEBEC, P.Q.

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

Nothing Will Take Its Place MOLASSINE for this Trade

WARRANT ALL HORSE MEN SHOULD READ THIS: ALLISON'S ISLAND FARM,



Stables for

state s-veral years, H is Majesty Wing George V

granted al Warrant

MOLASSINE Co.

Molassine Co. of Canada, Ltd.,
Montreal, Can.

Dear Sir—We have been using "MOLASSINE" for a
number of years as we consider.

The consideration of the consi

June 11th, 1913

OF CANADA

A testimonial of that nature ought to convince you of taining 100 lbs. Get the value of "MOLASSINE MEAL" as livestock feed. if at your Dealers or Try it yourself and profit accordingly.

(Signed) J. WESLEY ALLISON Put up in bass con write us direct.

THE CANADIAN NATIONAL EXHIBITION SETS A HIGHER STANDARD

Exhibition now in progress in Toron-to. "Just to think." he continued, "that the attendance last year was equal to one-tenth of the population of Canada and that more will be here this year

this year
This is Expansion Year at the Canadian National. The management
last year did not reach the coveted
million mark in attendance. They million mark in attendance. They are expecting and striving to make it this year.

But it is "Expansion Year" in ore points than the attendance, hich is establishing new records alwhich is establishing new records almost daily. There have been improvements in almost every department. The fair has been made to truly reflect Canada's growth, agriculturally

44 T is wonderful, truly wonder covered judging areas. The necessity of such an areas was demostrated by the covered pudging areas, and the covered judging areas, and the covered judging areas. The necessity of such an areas was demostrated that the covered judging areas, and the covered judging areas. The necessity of such an area was demostrated that the covered pudging areas. At the necessity of the covered judging areas, and the covered judging areas. The necessity of the covered judging areas. The necessity of the covered judging areas. The necessity of the pudging areas, and the covered judging areas. The necessity of the covered judging areas, and the necessity of the covered judging areas. The necessity of the pudging areas. The necessity of the necessity of the pudging areas. The necessity of the pudging areas. The necessity of the necessit the open ring.
were judged in a drizzle that was uppleasant to both exhibitors and their Stock. The spectators? Well the Stock. The spectators? Well. the few who would get under cover on the stand stayed. The rest disappeared If a winter fair is to be held on the grounds of the Canadian National Canadian States. Exhibition, as planned, a coverage pavilion will be a necessity. This along with the new willingness of the exhibition board to meet the demands of the control of the cont exhibition board to meet the demands of the stock men, will probably led to an arena being added before as other year. Even if the arena be not added a stand of greater seating capacity for onlookers is absolute

essential The live stock features were distinguished by quality rather than quant



Cows Such As This are a Credit to Any Country

Canadian Ayrshire breeders have the bat. Even in Scotland there are few at that bring out a string of any cover equal to the class brought out a string of any content Exhibition this year. Ancelebrain Fanny 9th, the female champion, be seen at the head of the line.—Photo by an editor of Farm and Dairy.

and industrially. That is why the ty. people come year after year. That is why Fair Time has become almost national holiday in our country.

a national holiday in our country.
The most important permanent improvements this year, from the farmor's sandpoint at any rate, are there live stock areade, the new housing accommodations for cattle and the country of the country new judging ring.

So extensive have been the improve-So extensive have been the improve-ments and changes at the live stock end of the grounds that old time visi-tors have difficulty in finding their way around. The areade, a substan-tial structure of red briek, affords an imposing entrance to the live stock department. Horses occupy all the new harm in compension with the series new barns in connection with the ar-

Back in the cattle section the exback in the cattle section the ex-hibitors are equally well pleased with their quarters and many warm words of praise were bestowed on the man-agement they have been berating these many years because of poor ac The old and out-of date sheds have been entirely done away with. The new ones that take their place are better lighted, better mmodation. ventilated, the partitions are of steel rods hence giving the visitor a clear-er view of the animals, and the floors are of concrete. Visitors of other are of concrete. Visitors of other years, who have literally we through the wet snots of the earthen floored sheds at Toronto will appreciate the advantage of the latter point. The sanitary floors were the control of that on gainy days the fanes between the rows of sheds were middly enough to discourage visitors from going very far, but by another year the manage-ment hope to have all these lanes

Only one improvement in acco dation the exhibitors now ask for-a

In few sections did numbers entries exceed those of last year, and the whole live stock department would hardly make the showing of 18 But the quality was fine. Sheep at heavy horses probably made the grant est stride in advance, and some es of dairy cattle were noticeably a

Dairy cattle were represented four breeds; Ayrshires, Holsteins Jerseys were out in all their streng and in addition, Pierre Sylves and in addition, Pierre Sylv Bagot, Que, had a long stric French-Canadians. Western and tral Ontario people don't often an opportunity of seeing this by and they attracted considerable tention. Ayrshire entries number 86, and Holsteins counted to 192. Co petition was keen in both breeds, in the Jersey classes competition more interesting than for a couple years. In Ayrshires and Jerseys, h ever, the necessity for measures encourage the smaller and less known breeders to come to Toronto clearly evident. In the former b only three herds were represent and in the latter but four. The st fellows know by experience that the stand little chance in open competion. Why not special classes for # teurs?

THE HORSE EXHITE Clydesdales, Percherons and St were well represented in the la draft breeds. Interest was give the Clyde exhibit by the present Fyvie Baron, a son of Baron's Pr and a horse never beaten in the great shows of Scotland. At the for writing the Clydes have not judged, and we can't say hos Scotch winner will fare at Town Another feature of the Clyde sho the famous six horse team frought of the Union Stock Yards, Chicago, principal exhibitors of this bree T. H. Hassard, Markham: G. H. Hassard, Markham; 6 (Concluded on page 9)

Issued Each Week

Vol. XXXII.

Practical Pointers

SUPPOSE I The speaker Details of co had worked toget filling for years. came as a surpri as I had not thoug

filling season as b until then.

Sile filling is one

obs of the year. the same class wit In other sections 1 farmers say that a nuisance just be extra labor it inve a bunch." Where een in gogue so lo ase in our d bunch" labor qu nicely adjusted it ork cooperatively eral miles down th up the side lines a cally every farme We have gathered ently large to alle or three extra men the field, a couple one man in the sil ave been working verything at silo achinery. We ha rmers can cooper

NO MORE Another feature orth mentioning we done away wi few years ago alv t both sile filling er how the housew ith each other to ed for the visiting els always repres itlay, were a nee f all they were a he farm woman. 1 e or half-past in nd get the chores ave our supper at We have not yet ound the neighbo ur, though I read a section of the c brings his lunch e housewife work. rrying the lunch rticularly to Car supper, however But I started out

neir streng ng string tern and Ce d to 192. Car mpetition t or a cour

measures nd less know former b represent The st ence that the open compe

in the hear was given he presen Baron's Pr At the the have not be t say how team from

cham: page 9)

this breed

before an ena be no

vere distin han quar

numbers st year, a tment worl ng of 192 Sheep at de the gre oticeably s

g this bree

Each Week

ARMAND DAILD RURAL HOME

Only \$1.00

Vol. XXXII.

FOR WEEK ENDING SEPTEMBER 4, 1913

No. 36

POINTS WORTH KNOWING ABOUT THE FILLING OF THE SILO

By E. L. McCaskey

Practical Pointers That Will Help in a Busy Season, - A Cooperative Solution of the Labor Problem: the Distribution of Men; Work in the Silo

A Discredited Method

SUPPOSE I can count on you at silo filling." The speaker was my next door neighbor. Details of course were easily arranged. We

had worked together at silo filling for years. His remark came as a surprise, however,

as I had not thought of the silo filling season as being so near until then. Sile filling is one of the rush

jobs of the year. It comes in the same class with threshing In other sections I have heard farmers say that the silo was a nuisance just because of the extra labor it involved "all in a bunch." Where the silo has een in sogue so long, as is the case in our district, the "bunch" labor question has nicely adjusted itself. We work cooperatively. For several miles down the road and

up the side lines as well, prac-

One would need to have a very small area of corn indeed to make this method of corn cutting advisable. The modern machine seen below is rapidly gaining in popularity. tically every farmer has a silo. We have gathered into groups for silo filling suffiiently large to allow four teams in the field, two or three extra men to help the teamsters load in the field, a couple of men to feed the blower and one man in the silo. These same groups of men have been working together so long now that verything at silo filling time moves like oiled achinery. We have proven in a small way that farmers can cooperate.

NO MORE ELABORATE SUPPERS

Another feature about our silo filling that is orth mentioning right off, is the fact that we ave done away with the elaborate suppers that few years ago always completed the day's work t both silo filling and threshing. I can rememer how the housewives in this section used to vie with each other to see who could put up the best sed for the visiting farmers or farm hands. These feels always represented a considerable monetary utlay, were a needless extravagance, and worst f all they were a needless amount of labor for he farm woman. Now-a-days we stop work about ve or half-past in order that we may go home nd get the chores done in good time, and we ave our supper at our own tables

We have not yet cut out the friendly meeting ound the neighbor's dining table at the noon ur, though I read in an American paper lately a section of the corn belt states where each farmbrings his lunch in a dinner pail, thus saving e housewife work. I don't think, however, that arrying the lunch in a dinner pail would appeal rticularly to Canadian farmers. Cutting out supper, however, is easy.

But I started out to give some pointers that I

have learned from experience on the filling of the silo. The first point is the stage at which the corn is to be cut. Most of us used to have the

idea that corn for ensilage did not need to be particularly mature. In fact, the first corn that I ever put in a silo had not reached the milk stage. It was green-watery stuff and when the silo was emptied in the winter the silage was so sour and the cattle showed such a dislike for it that I was almost inclined to dub the silo a "frost "

As the years go by I am coming more and more to value maturity in the corn for the silo. I used to be continually afraid of getting the corn frosted and preferred to have it a little green as a lesser evil of the two. I now would risk frost any time rather than put green corn in the silo. For

some reason or other the cows milk better on mature ensilage and it goes farther. The professors tell us that mature corn has much more food value, and they must be right.

WHEN CORN IS FROSTED

In case I do let the corn stand a little too long and it gets frosted, I cut it into the silo just the

house in Chicago and thought we had the clear thing. For the last three or four years I and two of my neighbors have owned a corn binder cooperatively, and we would not be without it for any money. In up-standing corn it does its work with neatness and despatch. The corn is bound inte bundles convenient for handling and for feeding into the cutter. Even where the corn is blown down or lodged, the modern binder has devices that enable it to do creditable work. Only once or twice have we been forced to go back to the corn knives, and that for very limited areas. I would advise every corn grower either to have a corn binder himself or a share in one.

AN EARLY START AT CUTTING

In a 15-acre corn field we plan to start the corn harvester half a day before the engine and blower arrive, and the binder is kept going all next day. In our silo filling circle the man on whose farm we are working supplies the horses and the driver for the binder. While we consider it advisable to be well ahead with the cutting, there is always the danger of getting too much corn down. In case of wet and consequently muddy weather men don't like to go into the fields with their teams or to handle the muddy bundles of corn. And yet if the corn is to be gotten into the silo in best condition it must be gotten in soon after cutting.

One little point I would note here. Occasionally due to very unfavorable weather it is impossible to get the corn in sufficiently early in the spring. When silo filling time comes around, even if left until frosted, it has altogether too large a water content to go into the silo. I would cut such corn and allow it to lie in the fields a couple of days to dry out.

The point in the management of the cutting box on which I would lay most importance is in

keeping the knives sharp. This reduces the amount of power required and the machine is able to make a clean cut at every revolution. The knives should be sharp enough to cut the husks of the ears. When the knives begin to get dull the husks will be blown up uncut, although the ears and stalks will be cut alright.

I mentioned that we have two men apportioned to feed the cutting box. It is hard, active work to feed fast and properly, too hard for one man to stand for any length of time. Ac-

cording to our system the two men take turn about at the feeding, and while one is doing the main work the other gathers up the loose stalks and trash and feeds it into the cutter, and with the help of a boy to turn the grind stone or some kind of power to do it, keeps the knives sharp.



This Way is Easier on the Back and Better for the Pocket

rn harvest is not a thing to be dreaded on the farm of Mr. John Barker, Huron b. Out., who may be here seen mounted on his up-to-date corn harvester. Hired big is to scarce and expendive now-adays to cut corn any other way. Farmers this too small an area to afford a corn harvester themselves, would be wise to own a machine cooperatively with neighbors in similar circumstances.

same, sprinkling it with water and tramping it down solid. It is then just about as good for feeding purposes as if the frost had not gotten

We used to cut the corn with a hoe. Later we bought a couple of corn knives from a mail order Another point in the cutting is to have a good powerful engine. With insufficient power the blower will be continually choking; and it is poor economy to have four teams and a big bunch of men standing idle while repairs are being made or a clogged blower tube is being cleared.

The customary length for cutting the corn stalks is about half an inch, and this is about right. If cut in longer lengths the mass of corn cannot be tramped so compactly, the air is not excluded as well and the corn will not keep as long. As a general rule we feed the corn stalks to the blower tassel end first. The only exception to this rule is when the men in the field make a mistake and load the waggon the wrong way.

BEST MAN IN THE SILO

The place where we put the best man in the outfit is in the silo. One good active man can handle the distribution and packing of the ensilage properly. He must be good and active, however, or it is better to put two men in to handle this end of the filling.

We have a distributor fixed at the end of the blower tube which a small boy manipulates. With

this distributor the ensilage can be directed to any part of the silo. With the best distributor, however, there is a tendency for the heavier portions of the corn to pile up together while the lighter portions are blown to one side. Were this corn not forked over properly and mixed the ensilage would be of uneven quality and would settle unevenly.

A new invention that I saw described in the Machinery Number of Farm and Dairy, and one that appeals to me immensely, consists of a series of detachable tube sections, whereby the cut ensilage can be conducted right from the mouth of the blower to the surface of the corn in the silo. I will plan to have such an arrangement another season.

HOW ABOUT FILLING AFTER SETTLING?

The way we do things in our circle each man's corn is all cut and put in the silo at the one operation. never go to the same farm twice in the season. As all who have silos know, however, the silage will settle several feet after the first filling, and that much storage capacity is wasted.

has twin silos this difficulty may be overcome to a certain extent by shifting the blower back to the first silo after the second one has been filled. Most of us, however, myself among the number, have only one silo. I have gotten around the difficulty by building a cheap wooden top on my cement silo, extending to a height of six feet above the cement. This top is cheaply constructed without any attempt to make it either air-tight or frost-proof. The corn is filled in right to the top of the superstructure, and in a few days it has settled down within the bounds of the cement

If one were to start feeding from the silo as soon as it is filled the decay on the surface would present no difficulties. Most of us, however, have good pasture for a week or two at least, and usually for more, and do not start feeding until the cows are permanently in the stable. To prevent the surface from decaying I soak the corn with a solution of common salt and water, almost Following this method there is concentrated. practically no decay.

PRECAUTION WITH STAVE SILO

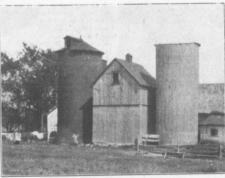
I have had no experience with the stave silo, but some of my neighbors have, and consider them very satisfactory. One point on which they lay great stress is in watching the silo carefully after filling. Silage is apt to heat or sweat and thus expand the staves. Unless the hoops are loosened slightly at this time they may burst. Particular attention should be given to the hoops at the bottom of the silo.

The main point I would emphasize about my silo filling methods is the cooperative methods of supplying the labor. Don't change around among different neighbors each year. Work in groups year after year and the work will go much more smoothly.

Feeding the Dairy Herd *

J. H. Grisdale, Ottawa, Ont. To get the most out of our dairy herds we must

feed well and feed the right kinds of feed. In the first place, we must feed in abundancethe cow must get enough. To coak the cow to eat as much as possible, the ration must be appetizing. For example, a little molasses will increase the palatability of poor hay or straw. There is little need of purchasing appetizing goods, however, as we can grow just the feeds of which the cattle will eat a lot. First among these is corn ensilage.



Does it look as if This Dairyman Believed in Silos

These three silos standing side by side, and all in use, were photographed by editor of Farm and Dairy on the farm of Heotor Gordon, Chateauguay Co., Q Mr. Gordon's Ayrshires are well-known. He saye that good corn ensilage has a to do with their development. Corn is easy to grow and easy to keep. Corn

ensilage is succulent and palatable. A feed which a cow relishes will often do more good than a richer one not so appetizing. At Ottawa we feed from 30 to as high as 60 lbs. of ensilage a day, depending on the size of the cow. If we are feeding any straw we cut it and mix it with the ensilage.

MIXED MEALS PREFERRED

The grain ration will be more relished if it is composed of a mixture of several meals instead of one or two. The following mixture is a good one: Bran, 500 lbs.; corn, 100 lbs.; oats, 100 lbs.; oil cake, 100 lbs.; cottonseed, 100 lbs.

The cow is very susceptible to a change in the grain ration. Once we have decided on a ration she likes, we should stick to it. If we must make a change we should make it gradually.

The cow gives milk because she loves to give it. It is her maternal instinct. Therefore, if we are to keep her working at her best we must have her feeling good. We should not change the ration too often. A safe rule to follow in feeding the grain ration is to feed one pound of grain to every four pounds of milk. With heavy milkers, feed one to three and a half pounds of milk or even more. Alfalfa and clover make prime roughage for the

(Continued on page 13)

*Notes from an address by J. H. Grisdale, delivered at cow-testing association meeting at Peterboro.

Farm Electricity: How About It?

Keen interest in electricity as a farm power has developed amongst farmers during the past two years on account of the numerous power lines that have been erected, and which pass many farms. and also more recently because of the experiments and the demonstrations within the last year as conducted on farms at regular work by the Hydre Electric Commission. Many farmers that we know of have held off installing other means of power and have left aside other means of lighting until they can satisfy themselves as to what the outcome will be and whether or not electricity will come into practical and general use as a power for farmers.

Through central eastern Ontario the farmen have been keenly alive to the possibilities of get ting power from one of the many lines of the Seymour Power Co., which ramify through that part of the country of which Lindsay, Peterbore, Port Hope, Campbellford and Trenton are centres. The Farmers' Club at Welcome took the matter up to investigate it, but did not deem it advisable to go ahead with the project. They concluded

that it was almost too expensive a proposition for the average farmer B

The figures submitted to Welcome Farmers' Club we mately as follows: If enough farmen could be induced to go in for the electric current to use it for power and for light so that they could guarantee to consume a stated number of horse power per mile for the company's line, then the power could be made available. It would cost each farm er an average of \$40 to wire his house and barns. He would require a three H.P. motor, which would dest from \$125 to \$140. Then the power would cost him \$25 per H.P. per year, he to take an average of three horse power.

For heavier work, such as for threshing, six farmers could go in to gether and buy an outfit, say a 20 H.P. motor, it to cost about \$700. When it would be in operation other farmers along the line would not be able to use their power or light, sing it would require all the power available on the line for the big motor.

It has been estimated that the average farmer spends from \$10 to \$12 for coal oil per year for lighting purposes. For power from a gasoline engine the cost is generally conceded to be much lower, for all that it is used, than would be the case were the electricity installed. The latter of course would have the advantage of convenience once the wiring was done, and it would be a great factor in labor-saving even over the gasoline engine.

With these figures before them it would appear that for the average conservative farmers the day is still some way off when electricity will be general use by them on their farms. Those who have the electricity, however, speak very highly of it even when cost 's considered .- C. C. N.

Sheep Sorrel,-Sheep sorrel grows most abus dantly in thin or worn out meadows. Breaking the meadow and raising corn or some other cultivated crop will usually subdue the weed. The land should be enriched with barnyard manus before re-seeding to grass, and an effort should be made to secure a thick stand. On meadow or pastures that cannot be plowed, top dresing with manure and sowing additional grass see will be beneficial. The addition of lime to the soil is also said to aid in thickening the grass and crowding out the sorrel.-Andrew Boss.

The Dr B. Blanch Now that the f opportunity to stu armers of the da there has been a character of the he particularly during policy of the Prov

September 4,

ture-of placing s various points the enefit of the farn The most marke mprovement of Fifteen years ago a on a large proport To-day one can fir in farming methods berses almost a n coming scarcer, far be adopted.

STREE Nor does the id torses are required and strength that horses on a gang 1 teams on a couple of driver is required sarrows the same h wide working imple of power with corre I remember heari arian of the Nova state that the num blemished and cripp ue to the fact that the work required obliged to work at h avy horse has str The man who is market finds that t of the heavy draft ose that affect th felds. High wages HEAVY T

And it is this hea suitable for the av roper raising and ands more time an armers are able to ing of light horses is li the colt should be eident of some na nocked off the fut On the other hand o pay for himself w ase of his more de not a difficult m reatly impair his us In selecting one br st adapted to the rmer and sticking rtment of Agricul Already in many pa



1913.

t It?

power ha

past two

lines that

ny farms

periments

t year as

the Hydro

that we

means of

of lighting

what the

tricity will

s a power

e farmers

ies of get

nes of the

rough that

Peterbore

re centre

the matter

n it advis-

concluded

xpensive a

farmer as

Wel-

-pproxi-

gh farmers

or the elec

power and

guarantee

er of home

company's

d be made

each farm

e his house

ire a three

east from

ower would

year, he to

rse power.

ich as for

d go in to

, say a 20 bout \$700.

ation other

mld not be

light, since

ower avail

ig motor.

age farmer

er year for

a grasolite

to be much

ould be the

he latter d

onvenience.

I be a great

ne gasolite

ould appear

ers the day

will be it

Those who very highly CN most abus Breaking other cultiard manus fort should grass sed lime to the e grass sai

The Draft Horse in N. S.

B. Blanchard. Hants Co., N. S.

Now that the fall fairs are here, one has an opportunity to study the types of horse that the farmers of the day are producing. Undoubtedly there has been a gratifying improvement in the character of the horse flesh of this province, more particula ly during the past decade or more. The policy of the Provincial Department of Agriculture-of placing stallions of the right type at various points throughout the province for the enefit of the farmer-is bearing fruit.

The most marked development has been in the improvement of the agricultural draft type. Fifteen years ago a 1,500 pound horse was a rarity on a large proportion of our Nova Scotia farms. To-day one can find lots of then:. The changes in farming methods are making the use of heavier horses almost a necessity. With labor ever beeming scarcer, faster working implements must be adopted

STRENGTH, NOT SPEED

Nor does the idea of speed imply that race horses are required to draw them. It is weight and strength that is called for. Three heavy horses on a gang plow do as much work as two teams on a couple of walking plows, and only one driver is required instead of two. With disc harrows the same holds true. Conditions demand wide working implements requiring a greater unit of power with correspondingly less manual labor. I remember hearing Dr. Standish, the Veterin

arian of the Nova Scotia Agricultural College, state that the number of spavined and otherwise blemished and crippled horses in the province was ue to the fact that the horses were too light for the work required of them. The light horse is obliged to work at high pressure all the time; the avy horse has strength in reserve.

The man who is raising horses to supply the sarket finds that the big demand is for horses of the heavy draft type. Conditions similar to ose that affect the farmer are found in other felds. High wages necessitate larger power units. HEAVY TYPE EASILY RAISED

And it is this heavy type of horse that is most uitable for the average farmer to raise. The roper raising and training of light horses deands more time and expert attention than most armers are able to give to it. Besides the breedng of light horses is a much more risky business. if the colt should become blemished because of an eident of some nature probably \$50 to \$100 is nocked off the future price.

On the other hand, the draft horse will begin o pay for himself when he is two years old. Beuse of his more docile disposition, his training not a difficult matter. A blemish does not reatly impair his usefulness nor his value.

In selecting one breed of draft horse as the one st adapted to the needs of the Nova Scotia armer and sticking to that one breed, the Department of Agriculture has made a wise move. Already in many parts of the province the uni-

FARM AND DAIRY

formity in the type of draft horse is noticeable. It is not too much to expect that at the present rate of progress one will find fifteen years from now a uniform type of draft horse in Nova Scotia. Our province may in truth become "New Scotland," the second home of the Clyde.

SCRUB STALLION MUST GO

To make possible such a realization, the scrub stallion must be eliminated. Legislation is one solution of the difficulty, but education is better. Once farmers as a whole realize the absurdity of quibbling over five or 10 dellars difference in a service fee, and several years later coming out the small end of the horn to the tune of \$50 or \$100, laws will be unnecessary. The baleful influence of the scrub stallion has existed long en-

The county fairs and small exhibitions are, 1 believe, having a splendid influence. Farmers have attended our Halifax exhibition, and while they have admired the stock, have come away with the idea that it was too high-class for them. At the small fairs, instead of the entries being confined to the big breeders, the farmers themselves are induced to exhibit.

While the entries at these small fairs may not be up to the class of the big exhibitions, a healthy rivalry is instituted. Such friendly rivalry creates interest, and once a lively interest is awakened progress is assured.

Fal owing and Soil Fertility By W. H. Frazier.

Plowing early in the fall liberates more plant food for the spring crop and conserves more moisture than does spring plowing. By loosening the surface soil, thus allowing the air to penetrate, the soil particles which contain phosphorus, potassium, and lime are caused to oxidize, which sets free these elements for the plant. Fall plowing has a tendency to let the rains percolate into the soil better, which tends to dissolve and break up the complex soil compounds for the use of the spring crop.

Bacteria, which are found in the soil in countless numbers, generally work better where oxygen from the air is readily available, and these in turn break up the organic matter of the soil into simpler compounds, liberating nitrates or nitrogen food for the plant. This is one of the most essential elements for the early growth of the plant. It is often noticed that spring plowing will not cause crops to lodge so badly as fall plowing. This is explained by nitrogen being set free to a larger extent in the loose, porous, fall-plowed than in the more compact soil

By opening up the soil the fall rains percolate much more rapidly into the soil, while there is a mulch formed on the surface which tends to prevent the water from the subsoil going directly to the surface and being evaporated. Early fall plowing makes a reservoir of the subsoil, storing the water for the crop in the spring. Often where the ground is a little rolling, the water will run off.

The Breeding Age of Sheep By R. S. Ourtis.

As a general thing sheep are bred too early in l.fe for the most satisfactory results. The ram is orten bred to a flock of ewes in the fall following ourth, a practice which should never be followed except by experienced sheep breeders. Under no circumstances should the ram be bred before he is a year old and better still not until the second fall, when he will be from eighteen to twenty months old. Some breeders will not use a ram heavily even at this age. Ram lambs put into service too early can never reach their natural size nor attain their normal thrift and vigor.

anie the ram has a very strong reproductive system, early abuse will render him impotent and unprofitable. Proper feeding is far more important during the early stage than the production of a crop of lambs. During an emergency a very early ram may be used in the fall on a few ewes, but the practice generally leads to excessive service and eventually a very unsatisfactory breeder. The ram is naturally a vigorous animal but early breeding will be sure to cause a much shorter period of usefulness.

AGE TO BREED EWE

A great many breeders follow the practice of breeding lambs at eight and ten months of age, but the most successful flock-masters will allow the females to more nearly approach maturity. With the male the service can be regulated, starting with a few services well distributed, but with the female the burden of maternity is thrust upon her at once. For this reason the extra burden of reproduction should not be allowed to hold in check her natural maturity. If the ewe is not bred until after she is a year old the results will generally be more satisfactory. It will depend somewhat on the size and vigor of ewes just what plan will be best to follow, as size and development should be the principal determining factors when the ewes should be bred.

The practice of breeding ewe lambs will steadily and persistently decrease the size of the animals in the flock, which an experienced flock master will not tolerate. The ewe lamb should be fed judiciously and allowed plenty of exercise. By so doing and withholding them from the ram until well matured they will, when placed in the breeding pens, more than make up for the appar-

If the ewe lambs are bred it will cause them to come in heat later and later each season, thus making a crop of lambs which is very undesirable, especially in sections in which the stomach worm is prevalent. The vitality of the ewe will also be prematurely sapped by breeding too young, thereby rendering her much less valuable at maturity.

I think that the encouragement of the growing of clover for seed in Ontario is one of the best means to improve the average quality and increase the average value of the hay crop of the Province .- Dr. M. O. Malte



The First Stage in the Installation of a Tile Drainage System: Taking the Levels on a Farm in Perth Co., Ont



Which Cows Would You Sell?

On the Hit-or-Miss Plan

If you wanted to sell three or four head of cattle to reduce your stock would you know just which were the right ones to sell. Suppose a buyer came along to look at them would you let him "take his pick" of the herd or would you know, to a certainty, just which were the most profitable cows to sell and which to keep?

Cattle buyers are pretty wise. They are pretty shrewd guessers. When they buy by guess they usually guess better on their side than on yours. But when you sell your cattle by actual knowledge instead of "hit-ormiss it's a fair shake for both and you get all that is coming to you every time.

You can't sell or buy intelligently or profitably without a good reliable Scale on your farm. The man who buys your cattle or anything else by "hit-or-miss" usually "hits" and you "miss."

For a very few dollars you can have the best of all farm Scales—the Renfrew Handy Two Wheel Truck Scale-guaranteed by the Canadian Govt., and delivered to you on our "pay as it pays" plan. Thousands of farmers are finding the "Renfrew Handy" a daily money saver and money maker. They wouldn't be without it for several times its cost. Many of them have made enough profit by this scale the first month to pay its cost several times over. They find it as convenient and profitable as a hired man.

The Renfrew Handy Two Wheel Truck Scale is more than a scale. It is a convenient, profitable farm necessity-as much so as a horse and wagon. If you don't know about the money saving possibilities of this Handy Little Truck Scale drop us a letter or post card to-day and we will send you facts and figures that will tell you all about it and show you how it pays for itself from the start.

The Renfrew Scale Company RENFREW, ONT.



Holstein Aged Cows under the Hand of the Judge

Mr. Jas. Rettie, who judged the Holateins at Toronto this year, may be here see trying the teat of one of the cows in the mature class. Only the hind quarter of if Henry Pellatt's winning cow can be seen Aren't they dandies!

Holstein breeders did both themselves and their breed credit in the splendid showing that they made in the ring of the Canadian National Exhibition last week. They were out in force, 12 herds being represented in force, 12 herds being represented by 192 individual entries. Not only did the number of exhibits bespeak the popularity of the Holstein but the quality of exhibits explained that popularity. Every section of Ontario was represented in the list, but in this as in many previous years the 'cream' came from Oxford County, one breeder of that county, A. E. Huler for the county, and the county of the county

Mr. Hulet's success was due in ho small measure to the splendid fitting of his animals, they being in the pink of condition. The greatest factor in accounting for his success, however, is the fact that he and the judge, Mr. is the fact that he and the judge, Mr. James Rettie, have the same ideal of what constitutes proper Holstein. and dairy type. Almost without fail Mr. Rettie picked for animals of substance the deep-bodied, low-down kind that give evidence of constitution and feed-

g capacity of the first order. All of the herds were from Ontario, the Colony Farm Herd of British Coltime coiony rarm itera of British Columbia, that received so much attention last year not coming east this year. Some of 'he old faces were missed from the ring, notaly Haley Bros., of Springford, who were almost as successful last year as was Mr. Hulet this year. On the other hand, a few new exhibitors were along. Sir Henry Pellatt, whose buyer has been prominent at all the great dispersion and auction sales of the last year, was out with a fine string. K. R. Marshall, Dunbantron, had some splendid entries, and R. M. Holtby of Manchester was this year first seen as an exhibitor of Holsteins at Toronto. Other principal exhibitors umbia, that received so much attenseen as an exhibitor of Holsteins at Toronto. Other principal exhibitors were: Gordon S. Gooderham, Bedford Park: Lakeview Farm, Bronte; Tig Wood, Mitchell; C. J. Pearce, Ostrander; Sunnybrook Farm, Eglinton; Clarence C. Kettle, Wilsonville; R. F. Hicks, Nextonbrook and John C. Boeck, Toronto.

Boeck, Toronto.
Competition throughout was of the keenest. In several classes entries numbered over a dozen and many of the placings were made on very small points of difference. Many third and points of difference. Many third and fourth prize animals were almost if not alloge-ther as desirable as the one in first place. The fact that most of the herds were brought out in proper show yard fit did not make the proper show yard fit did not make the proper show yard fit did not make the weak of the proper show you have been dead to be the proper show the property of the pr

Holsteins Make Great Showing ment turns on such small points

Mr. Rettie showed the type he far mature bulls. Prince Abbekerk Mercens. Hulet's winner, is a bull of usual depth, close to the ground, and a typical Holstein type. Gooderham Prince Malta DeKol, in second pla was perhaps of somewhat better to than the winner, but not being so me ture, did not show to as good advan-tage. Osler's Lakeview Farm cntr, Count Hengerveld Fayne DeKol, made a splendid appearance in the ring, being possessed of both size and style He is, however, a little too high of the ground and a little narrow all the way through, to win in such company, Logan Prince Schuiling, winner of the \$500 prize two years ago, show by Tig Wood, was no more successful this year than last. While of spleadid substance, he is too coarse and

The two-year-old class brought on only three enries and here again the judge stuck to his type, his pick in first place being Hulet's Woodland Schuiling Sarcostic, a low-down bill of great substance, but lacking in style and finish as compared with Pearce's Sir Homewood Fayne in second place. Sir Natoye Oakland, the Sunnybrook Farm entry, was third. We would like to make extensive

ention of the placings and reason therefore of the various classes, he space does not permit. Only in or class was the judge's decision set ously criticised on the ring side. It placing the senior bull calves Mr. placing the senior bull calves Mc Rettie selected for first honors a cil with a wonderfully deep strong bot, but rather a plain head. Mr. Ma shall's calf in third place was a link further off the ground but almost equally deep and strong and had a ideal head and a very stylish appear ideal head and a very stylish appea-ance. As one visitor put it: "if ye could put the head of Marshall's bid on the body of Hulet's, you would have an ideal animal." Many fawe ed the Marshall bull for first plan. The hardest point to understand if the placing of this class was why Mr. Hick's entry, which was further as from Mr. Rettie's type than the th

Hick's entry, which was turther and from Mr. Rettie's type than the bid bull, should have been sandwiched between the two. Awards in full:
Bull, one year old-t. Bruther Abele Mercean, Bullet 12, Segis De Kol., Pelat S. Prince Korndyke Schulling. Woo's Prince Korndyke Schulling. Woo's Prince Market 12, King Loron Berginson State of the State

HE old i desirable both m cratly received
The Ontario go
quite a few the porting a few from the where the milki horn is receiving heretofore.

September 4

This new inte mal may be tracted to the high price Quite a few dair infected with the crobe and are the advisability horns a trial. able she must b milker no matte heef can not be milch cows they



There may be dual purpose cow ceptional individu al is shown by the dairy tests at G winter fairs. No of the dual purp A POOI At Canadian di

for milk or fat p No grade Short a championship.
No pure bred as ever produced than cows in the Shorthorns entered ave been smaller and fat than the ers in the same

Surely this is would encourage d troduce Shorthorn

To those farmer to try it anyway,' ter than call their fact that they will ing in a new field has been already t tensive scale and trous result to the F. Dodge tells of ments in a recent Pairyman as follow THE GREATEST

"The question of can be regarded a years ago resulted practical test ever advocated advocated by as mental workers a talkers. The state a few years before exhaustion of her crops of grain. A nd quarters

and Dairy

dl points

type he fav

placed, the

bull of un-

ground, and

better type

eing so ma good advan-Farm entry.

the ring,bee and style too high of arrow all the ago, show

e successful le of splea-coarse and

brought ou re again the his pick for s Woodland

s Woodlan w-down by

ayne in se Dakland, th

was third.

and reason

classes, b

ecision se

ng side. calves M

strong body Mr. Mar

was a little

but alms

and had at

vlish appear t it: "If you arshall's bul

you wou Many fave

was why Mr further awa

andwichedi

ds in full:
188cs
1ben Abbehrl
e Kol, Pellatting, Wood; 4
5ltby; 5, Grass
Cettle,
1000 Colambia
Lyons Heast

noe Colanthi Lyons Hense ornewood. He Abbekerk Mo ercena, Hulst ybrook Para ; Segis Posk a. Wayne, Me ka Malta as roe: 4, Para by; 6, Prim

r first place derstand is

lacking

CLEARING AWAY THE DUAL PURPOSE FOG

CLEARING AWAT INC DUAL PURPOSE FOG

dies that the most men had begun to breed up their
farmer is the one that will size and a few had secured a fairly
poduce both milk and beef, has regood start with full blooded herds of
tage of the contained government has spent
good start with full blooded herds of
tage of the contained government has spent
good start with full blooded herds of
tage of the contained government has spent
good start with full blooded herds of
tage of the contained government has spent
good start with full blooded herds of
the contained government has spent
good start with full blooded herds of
the contained government has spent
good start with full blooded herds of
the contained government has govern
from full good start with full blooded herds of
the contained government has spent
good start with full blooded herds of
the contained government has govern
from full government has govern
from full government has government has govern
from full government has gover

nord is received more attention than baretoiore. This new interest in the dual animal may be traced in large measure to the his price prevailing for beef, interest with the dual nurse occurrence and are seriously considering the advisability of giving dairy short-borns a trial. They realize that if the dual purpose cow is to be profit-able she must be a heavy milker as well as a beef animal, as a small milker no matter how valuable for beef can not be as profitable as the milch cows they now have.

"The dual purpose idea made a clean sweep in the state and even those who had secured a good start with full blooded dairy breeds either sold their stock or allowed pedigrees to lapse and began to breed Shorthorns. Every one secured Shorthorn sires and as closely has this been foliate up to five years ago it was very dialate up to five years ago it was very dialated by the second of the second shorthorn and most of them were to all intents and purposes full was the second of them were to all intents and purposes full control of them were to all intents and purposes full control of them were to all intents and purposes full control of them were to all intents and purposes full control of them were to all intents and purposes full control of them were to all intents and purposes full control of them were to all intents and purposes full control of them. bloods. Certainly if there ever was a thorough test of an idea it was made in this instance,

"But what has been the result?

Extensive studies have been made of





A Class of Cattle Widely Advertised Now-a-days

These are dual purpose Shorthorns, the property of W. C. Good, Brant Co., Ont. A noticeable feature of this strain of Shorthorn as here seen is that the best milkers of the bunch approach very closity to the type of the special milk breeds milkers of the unch approach very closity to the type of the special milk breeds and are little, if any, more "shable for beef making purposes."

There may be such a thing as a dual purpose cow, but they are ex-ceptional individuals; how exceptional is shown by the entries of other than the purely dairy breeds in the dairy tests at Guelps and at other winter fairs. Notice the fair record of the dual purpose animal:

A POOR RECORD At Canadian dairy tests no Shorthorn has ever won a championship for milk or fat production. No grade Shorthorn has ever won

a championship.

No pure bred or grade Shorthorn
has ever produced more milk or fat

than cows in the corresponding class of the dairy breeds. In not a few cases the very best Shorthorns entered in the dairy tests have been smaller producers of milk and fat than the very poorest producers in the same classes of the dairy

Surely this is not a record that would encourage dairy farmers to in-troduce Shorthorn blood into their

beds. To those farmers who would "like to try it anyway," we cannot do better than call their attention to the fact that they will not be experimenting in a new field. The experiment has been already tried on a most extensive scale and with a most disastron to the state of the trous result to the experimentors. C. F. Dodgo tells of one of these experiments in a recent issue of Hoard's Pairyman as follows: THE GREATEST TEST OF ALL

The greatest test of all The question of the use of dual purpose cows," writes Mr. Dodge, "can be regarded as theory no longer, "can be regarded as theory no longer, for the agitation begun a number of Jeans and resulted in the greatest Practical test ever made of a theory advocated by agricultural experimental workers and farm institute talkers. The state of Minnesota had a few years unforce this date been takers. The state of allianced her a few years before this date been forced into dairying, because of the exhaustion of her soils by continual crops of grain. A few of the dairy-

the dairy production conditions particularly around Albert Lea, Minn., one of the best known Shorthorn dis-tricts of the state and one of the best known dairy districts in the United known dairy districts in the United States. A cow census was made and a number of cow test associations have been organized. It is probably a fact that the average production of butterfat per cow has not increas-ed in the Shorthorn herds over the production of the original state. or in the Shorthorn herds over the production of the original scrub herds, certainly it has not increased beyond what could be accounted for by better knowledge of feeding.

"Compare this with a well known "Compare this with a well known district in Wisconsin where the dairymen began grading up their herds with Holsteins about the same time the Minnesota dairymen began to breed Shorthorns. At one creamery in Minnesota the smallest gross returns from one head returns from one herd was about \$17, and a herd belonging to a man who was wise enough to enter one of the cow test associations brought in \$31

WHERE THE WRONG 18

"The poorest herd in a Wisconsin community, where a census was tak-en, gave gross returns of about \$65 per cow. The best Shorthorn berds en, gave kross revision per cow. The best Shorthorn berds in Minnesota returned about \$70 per cow while a number of the high grade herds in the Wisconsin community paid better than \$100 per cow going in one instance to \$114 per cow. At the community time there are grade herds the present time there are grade herds of strictly dairy stock raised around Albert Lea, Minn., in the last five years that compare favorably with the herds in the Wisconsin commun-

"If there had been any compensat ing advantages in raising the Short-horns the evidence would not look so bad. Very few dairy farmers make any repeated attempts to keep the calves for the feed lot and it is prob-ably true that very few beef produc-ers can be induced to try to produce buver.

(Continued on page 8)



Write to-day for full particulars and Catalogue detailing "Beaver" Plows. It comes for a post card. Write to-day.

COCKSHUTT PLOW CO. LIMITED BRANTFORD, WINNIPEG For Sale in Eastern Ontario and Eastern Canada by THE FROST & WOOD COMPANY LIMITED Montreal, SMITHS FALLS, St. Iohn, N.B.



NEW 1914 PRICES

Effective August 1, 1913

Model T Runabout - -Model T Touring Car -650 Model T Town Car - -

With Full Equipment, f. o. b. Walkerville

Ford Motor Company of Canada, Limited Ford, Ontario

Wanted

DRILLING MACHINES

A Herdsman, who has had experience testing and caring for a No. 1 herd Holstein cattle. Honest, reliable and hi ing no bad habits. Apply, giving ref-ances, to

The Allison Stock Farm

Over 70 sisse and styles for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on stills. With engines or horse powers Strough simple and durable. Any mechanic can operate them casily. Send for catalog. WIIIIAM BROS. THACA N.Y.



Buy a Mechanical Drudge

MANY a winter day of back-breaking labor has the average farmer spent stooping over the old buck

sine average namer spent stooping over the old buck saw, 2rt-p, zrt-ping its way through tough wood for the kitchen stove supply. But the wise ones don't do it now. They have a handy engine to run the saw, while they rest.

That engine is about the busiest and most convenient machine the wise man has on his farm. It pumps water for him, runs the separator, washing machine, feed grinder, and grindstone. Often it runs a hay press, small thresher, or a repair shop. The year round it drudges for him. And the wisest man has an

H C Oil and Gas Engine

because it does most for him at least cost. Its simplicity renders it almost trouble-proof. Its construction makes it easy to start and to operate, and it is most economical in fuel consumption. The best material obtainable goes into its making.

I H C engines are made in all styles—vertical and horizontal, portable stationary and skidded, air and water cooled. Pumping, sawing and spraying outline. Sizes from 1 to Schores power, to operate on gas, gasoline, naphtha, distillate, kerosene, and alcohol.

The I H C local agent will show you the engines and tell you all about them. Get catalogues from him, or write the

International Harvester Company of Canada, Ltd

At Brandon, Calgary, Edmonton, Extevan, Hamilton, Lethbridge, London, Montre N. Battleford, Ottawn, Quebec, Region, Saskatoon, St. John, Winnipeg, Yorkto



жеееееееееееееееееее HORTICULTURE

Orchard Drainage

By K. A. Kirkpatrick There are two types of drainage that must be kept in mind in locating that must be kept in mind in locating and planting an orchard: air drain-age and soil drainage. The spot se-lected should be high, for cold air seeks the lower levels, and frosts come first in "pockets" and low-lying belts. If a valley or coulce is chosen, it should have a wide opening at its lower end. A rolling site, somewhat delated, will usually afford good air drainage

The soil drainage also will generally The soil drainage also will generally be good in a high, rolling exposure. "Fruit trees can't stand wet feet." Perfect soil drainage must be provided if it is not already present. Tile ed, if it is not already present. Tile or open drains may be called into use. If tile is used it should lie in the middle between the rows, to effect even drainage and to prevent as far as pos-sible the filling of the drain with roots.

Potato Carker Danger

H. T. Gussow. Dominion Botanist Potato canker should not be allow H. T. Gissous Dominion Botamist
Potatic canker should not be allowed to gain a footheld in Canada. It
is a disease that makes slow progress
but where once broken out it has defied every known means of control.
With the approach of the potato harvest all growers are particularly requested to examine teeir potatoes for
signs of canker. A case of potato
canker escaping detection forms a
source of future infection.

The appearance of this disease has
been well illustrated by the Farmers'
Circular No. 3, obtainable free of
charges from the Publication Branch
of the Department of Agriculture,
Ottawa. On discovery of any signs

charge from the Publication Branch of the Department of Agriculture, Ottawa. On discovery of any signs of potato canker, farmers should immediately notify the Dominion Botanist. Experimental Farm, Ottawa, the outbreak, at the same time subnitting specimen, when an inspector will be sent to assist and advise the farmer as regards the treatment to be given

Clearing Away The Dual Purpose Fog

Shorthorns.

(Continued from page 7)
milk. The calves from some of the
dairy breeds are as large and consequently sell for as much for yeal as

"No attempt has been made to say in this article that a cow cannot produce both beef and milk in paying quantities and some fine butterfat records have been made with Shorthorn cows; but in an exceedingly horn cows; but in an exceedingly large test, covering an entire state and that very thoroughly, it has been proved that for the ordinary farmer or dairyman with his lack of judgment in selecting the right cow or the right sire for his herd, the dual purpose idea, or the attempt to combine both beef and milk in the same cow and the same herd, has proved reason to believe that any other community or state could make more of a success?"

An almost countly

a success?"

An almost equally extensive test has been made in Canada. At one time dairy Shorthorns practically held the field in Quebec province. Here and there were herds of the breeds appealing developed for milk production. The farmers of Quebec had an opportunity to compare the relative profitableness of their dunk purpose Shorthorns and breed-to-milk animals. The result of their study is that to-day there are few Shorthorn herds in the Frevinces of Quebec. Two such extensive tests as these should be sufficient to clear away the dual purpose fog.—F. E. E.

"Ohio" 1913 Model The Improved Logical

Silo Filler "Ohio" improvement for 1913 are radical—eclipse all previous efforts.

Don't close a deal for any Cutter and taxe chances with unknown makes, until you see what the "Ohio" ofters.

59 years' experience—absolutely de pendable quality.

pendaole quality,
Famous Patented Direct Drivs
is servet of "Ohio" superiority—the
only mechine that is driven, cuts and
elevates direct from main shaft. Simple:
compact—low-speed fam—non-explorer
— non-elogging on any cut. Cuts clean
on all crope—fanives can "t apring. One Lever Controls All

Made By The Silver Mfg. Co., Solon, S

SYNOPSIS OF DOMINION LAND REGULATIONS

SYNOPSIS OF DOMINION LAND

ANY PREGULATIONS

Any provided and the provided and prov

B.—Unauthorized publication of the ertisement will not be paid for.



Protect Your Property With Peerless Lawn Fencing

Ornamental fencing serves a do ose. It not only enhances the our premises, but also protects it hildren, as well. It keeps out in nime's and trespassers. It prot was and flowers and always a roperty that orderly, pleasing ap

Peerless Orgamental Fencing

is the result of years of fence but is built to last—to retain its begrace for years to come and shot confused with the cheap, shodd offered by catalog houses. Peer is built of strong, stiff wire which against the heavy gavantaing heavy gine ename! is the best posumnce against rust.

Send for Literature hows many beautiful designs table for lawns, parks, ceme Agencies almost everywhere wanted in unassigned territory.

The Banwell-Hoxie Wire Fence

September 4

Canadian Na Continue

Clareme Chesterville; T. fellow Bros., Brooklin; and lade, Beaverton.

Percherons she ment and in not be seen animals exhibited in Ca cally all were in future a greater larger showing horses should be a few classes for year and the nu ncreased. Pron hibitors were: J. Hodgkinson and T. H. Hassard, Porter, Simcoe; Simcoe, and W. I old rivals, Jno. (Weston, Ont., ar pleby, had the S

to themselves.

BEEF Interest in Sh

year was lessene American herds keen competition Emmert, Oak Bl nly outsider pres the Ontario men. did one. Ontario strings, particula stuff, were Mitch lington, Kyle Bros Watt, Elora, A. F. Mills, Ont., Jno. Kerr and Davids Of other beef were most numero lasses ever seen Clifford, Oshawa, string. Mrs. H. Maples, and H. D so had numerous een-Angus Jas. had no competiti barns it was rum ther herds might ad not McGregor his Chicago champed. As usual, Col. vas the only exhib

SHEEP AN

er gotten togeth This was the stron ed by a goodly nun should know. Seve ers went down in on in Toronto. If otswolds and Lei ell represented a ack of competition ecided change fro he most numerous own showmen of In Oxfords the floc had things pretty m D. and A. Salman g in a few classes. In orsets there was as competition. In Highgate, and Salma peted. Hampshi ented. This sple mpeted o further prove wha ited to sheep husb High prices for po rs at Toronto repo st in this exhibit, a ell worthy of interes re short in number e was more comp ear in Berkshires
only in Tamworths wettion lacking, D.

having alm For the first re was a consider on of the short fa as and Duroes we

tchell.

1913.

Model

gical iller

ement for

ect Drive

oring.

ols All

cod fraction

not a gent

are perfectly

strip seif-

road fraction
henot a genr
are perfectly
f' grip selfout townage,
is h. p. 26Experiment
ateed. Many

e By Co., Solon, S.

LAND

Manite

tion of the

y With

Fencing

cing

Canadian National Exhibition

(Continued from page 2)
Bros. Claremont: Allison Bros.,
Chesterville; T. D. Elliott, and Good-fellow Bros., Bolton; W. F. Batty,
Brooklin; and Hodgkinson and Tis-

Perchetons showed marked improvement and in not a few classes were to be seen all manual such as were acvered to be seen all manual such as were acvered to the control of Percherons showed marked improve-Weston, Ont., and Porter Bros, Appleby, had the Shire classes almost to themselves.

BEEF CATTLE

Interest in Shorthorn classes this year was lessened by the absence of most of the western and all of the American herds that created such ken competition last year. H. L. Emmert, Oak Bluff, Man, was the only outsider present to compete with the only outsider present to compete with only outsider present to compete with the Ontario men. His herd is a splen-did one. Ontario breeders with fine strings, particularly in the young stuff, were Mitchell Bros., Burling-ington, Kyle Bros., Drumbo, J. A. Watt, Elora, A. F. and G. Auld, Eden Mills, Ont., J. po. Guardhouse, and Kerr and Davidson, Balsam.

Ker and Davidson, Balsam.

Of other beef breeds, Herefords
were most numerous, with the finest
sases ever seen at Toronto L. O.
Clifford, Oshawa, had the largest
string. Mrs. H. W. Hunter, The
Maples, and H. D. Smith, Hamilton,
also had numerous entries. In Aberdeve-Angus Jas. Bowman, Guelph,
had no competition. A round the
barns it was rumoured that several
sides hereds might have been on band oarns it was rumoured that several other herds might have been on hand had not McGregor of Brandon, with his Chicago champions, been expect-ed. As usual, Col. McCrae of Guelph, was the only exhibitor of Galloways.

was the only exhibitor of Galloways.

SHEMP AND SWINE

"We have the finest sheep exhibit
ever gotten together in America."
This was the strong claim of Mr. R.
Il Harding for the sheep sections of
the fair. The same idea was expressed by a goodly number o others who
abould know. Several Chicago winawan down in the keen competiins wan down in the keen competiers went down in the keen competi-on in Toronto. If anything the long cotswolds and Leicesters were both well represented and there was no ack of competition in any class—a lick of competition in any class—a decided change from last year. In short wools Shropshires were by far the most numerous with all the best known showmen of Ontario on hand. In Oxfords the flock of Peter Arkell had things pretty much to itself, with D. and A. Salman giving them a run in a few classes. In Southdowns and Directs there, was not in the state of the conorsets there was again abundance of ompetition. In Lincolns, Lee of lighgate, and Salman of Sinclairville, ompeted. Hampshires were also re-resented. This splendid exhibit goes to further prove what many have long mown,—that Canada is pre-eminently wited to sheep husbandry.

ligh prices for pork are turning all bes toward the hog. Swine exhibitions at Toronto report unusual interst in this exhibit, and the exhibit is eliworthy of interest. A few classes are short in numbers but all through the way burger comparition, thus left ere short in numbers but all through sets was hore competition than last set in Berkshires and Yorkshires. And Yorkshires, containing the set in Berkshires and Yorkshires, being the set in Berkshire and Yorkshires, being a large at the entire than the first time at Toronto when the first time at Toronto and the set of the short fat hog. Poland on the short fat hog. Poland insas and Duroca were belon hand.

-LOR-U TRADE MARK REGISTERED

(Colored RU-BER-OID, Canadian Patents Nos. 93,027 and 93,160)

and Green, is the only prepared roofing made in permanent colors. In KA-LOR-OID Roofing the colors are not painted on, but by our patented process are made an integral part of the exposed surface. They last as long as the roofing itself-and that means longer than any other

KA-LOR-OID, in its beautiful, soft shades of Red prepared roofing has lasted, for KA-LOR-OID is made of the same materials, and has the same wonderful durability as RU-BER-OID Roofing in the regular Slate color. For Samples and Booklets write

Standard Paint Co. of Canada, Limited.

Montreal—Winnipeg—Calgary—Vancouver.

BSORBINE TRADE MARK REG.U.S. PAT. OFF.

Will reduce Inflamed, Strained, Swollen Tendons, Ligaments, Muscles or Bruises. Stops the Iameness and pain from a Splint, Side Bone or Bone Spavin. No blister, no hair gone. Horse can be used. \$2 a bottle delivered. Describe your case for special instructions and Book 2 K Free.

and Book 2 K Free.

ABSORBIAE, JR., the antiseptic limiment for mankind. Reduces Strained, Torn Ligamankind. Reduces Strained, Torn Ligamankind. Reduces Strained, Torn Ligamankind. Reduces Training of Muscles, 1600 a bent of desired desired block Technology (No. 100 a bent of desired block Technology (No. 100 a bent of desired block Technology (No. 100 a bent of desired block).

Milk Wanted **During Exhibition**

If you can ship two cans or more of sweet milk per day (Sunday excepted) write us. We furnish cans. No shipping points outside of 80 miles considered.

City Dairy Co., Limited TORONTO, ONT.



GILSON Goes Like Sixty









o take these chances? Read these clippings-all taken from the same

paper - the result of an electrical storm.

Can you afford

LOSSES BY LIGHTNING.

BARNS BURNED IN DIFFERENT SECTIONS OF THE COUNTRY.

Another Barn Burned.

1. (Special of the Country).

1. (Albertenes, Sept. 1. (Special of the Country).

1. (Albertenes, Se and the second of the second o

METALLIC SHINGLES

will prevent such losses-they are LIGHTNING PROOF-an absolute protection for your crops and im-"EASTLAKE" SHINGplements. LES are the EASIEST to lay, and

cost less than a wooden roof equipped with lightning rods. A Metallic Roof saves you money-it reduces your insurance rate and remains IN PERFECT CONDITION for a lifetime.

MANUFACTURERS TORONTO 8 WINNIPEG

FREE BOOKLET

Our interesting free booklet "Eastlake Metallic Shingles" gives valuable roofing information. Write for it.

FARM AND DAIRY

AND RURAL HOME

Published by the Rura, Publishing Company, Limited.

of Pile

1. FARM AND DAIRY is published ever Thursday. It is the official organ of the British Columbia. Eastern and Wester Ontario, and Bedford District, Queb Dairymen's Associations, and of the Carlotte and the Carlotte Breeders' Associations. Omarro, and neutron. Passers, Quittee, Dairymer & Accounting Seeders, Association.

2. SUBSCRIPTION PRICE, \$1.00 a year. Great Britain, \$1.00 a year. For all countries, except Canada and Orest Britain, and the second continue to receive the paper until they send notice of discontinuation. No subscription are sent to all subscribers, who then continue to receive the paper until they send notice of discontinuation. No subscription for date of expiration. A year's subscription free for a club of two new subscription free mounts less than \$1.00 on all checks add 20 cents for exchange fee required at the banks.

2. ALBRITANCES, when a

the banks.

4. CHANGE OF ADDRESS.—When a change of address is ordered, both the old and new addresses must be given.

5. ADVERTISING RATES quoted on application. Copy received up to the Friday proceding the following week's issue.

receding the following week's laste.
UNITED STATES REPRESENTATIVES
STOCKWELL'S SPECIAL AGENOY
Chicago Office—People's Gas Building.
New York Office—256 5th Avenue.

6. WE INVITE FARMERS to write us any agricultural topic. We are alw pleased to receive practical articles. CIRCULATION STATEMENT

CIRCULATION STATEMENT
The paid subscriptions to Farm and
barry the paid the

OUR GUARANTEE

We guarantee that every advertist in this issue is reliable. We are able to this issue in reliable. We are able to this issue in reliable. We are able to this issue in reliable to the second of the

FARM AND DAIRY

PETERBORO, ONT.

HOW LAND ABSORBS WEALTH

It required forty years of agitation to induce the government of the United States to adopt a measure of parcels post. It has taken them only a few months to make radical changes in the measure once they had it in operation. Changes that came into effect on August 15th have now made the parcels post in that country a thoroughly practical and useful instrument of commerce.

Under the new parcels post rule the rate on parcels exceeding four ounces in weight will be five cents for the first pound and one cent for each additional two pounds or fraction thereof, when the parcels are intended for local delivery. Local delivery includes a city or town and all the rural routes connected therewith. In addition, a rate of five cents for the first pound and one cent for each additional pound or fraction thereof, one hundred dollars an acre and has been instituted when parcels are more, the main benefit passing into

the first and second zones, one zone being fifty miles in extent.

Consider what this will mean to the United States farmer in his search for a market. It will enable him to climb right over the middlemen and deal directly with the consumer to the great advantage of both the farmer and his customer. Take butter for instance. Under the new regulations a farmer living on a rural route can send a twenty-pound package of butter right from his door to the door of his customer in the city for a charge of fifteen cents, or less than one cent a pound. When we consider that middlemen's charges on butter between farmer and consumer in many cases run over ten cents a pound and seldom are less than five cents, we get an appreciation of just what parcels post may mean to the dairyman. The same calculations may be applied to eggs, dressed poultry, beef and even fresh vegetables.

The possibilities for direct trading that parcels post is now opening up to farmers and consumers will not be lost on the people of Canada. If our government would keep abreast of the times, the parcels post measure that they have promised for the next ses sion of Parliament will need to be equally effectual with the new regulations introduced in the United States. Let us learn from the experience of our neighbors. They have done the creeping in the last few months. We can start and walk with them

PARCELS POST ENLARGED

It is because everything the com munity does to improve social conditions increases the value of land that it is only right that land should be taxed according to its value. Thus as the people of the community through their various activities increase the value of land this increased value will be returned to the community at large in the form of taxes and not flow as now, into the the pockets of private parties.

During the past few weeks Farm and Dairy has received three circulars which show in a most interesting way how the effect of every improvement is to increase land values. Government circular dealing with the destruction of mosquitos starts off with the statement that the municipality which takes preventative measures and destroys the mosquito pest in its vicinity will thereby increase land values. A Bulletin issued by the Dominion Fruit Division points out that wherever farmers cooperate successfully in the handling of their crops the value of fruit lands in the section is greatly increased. A third circular, issued by the United States Department of Agriculture, shows that after the United States Government had spent millions of dollars reclaiming arid land in the Western States by means of irrigation, the value of sthat land had jumped from one dollar and two dollars an acre to

would be settlers and farmers were continually on the increase; his hardly able to afford the price now father's had been as constantly de asked for that land.

every new road we construct, every new railroad that runs through a section, every new post office that is built, every new store that is opened, and in fact every line of activity no matter what kind adds to the value of land and because this value is given to the land not by the man who owns it but by the community at large that the community at large is entitled to receive this increase in value.

Nothing we can do will help farmers so much as to lift from them much if not all of the burden of customs taxation, which amounts directly to an average of approximately one hundred and fifty dellars on every farm family a year, and indirectly to probably more than twice as much more, or a total of around three hundred dollars a year, and raise this revenue by a tax on land values. These values, being mostly in cities, the result would be that the net returns received each year by every farmer would show a decided increase.

PRECEDENT BREAKERS

When Marshall Field started his first small store in Chicago, he scan dalized all his fellow storekeepers by the new and unheart of methods that he adopted. Customs of the trade, hoary with age and proportionately venerated, received no consideration from him. Into his business he put all of the force of his own personality. Many years later when he was worth many millions of dollars and his store was one of the land marks of Chicago, he still inserted into his business that personality that distinguished it from all other departmental stores. other words, he was a precedent breaker.

It is not only in store keeping, but in every walk of life that precedent breakers, those who are not afraid that their neighbors will at them, climb to the top. Durham Co., Ont., a farmer and walked around the end of his barn to get to the cow stable door on the far side several times a day for thirty years. The first thing his son did on assum- lent advice given by Mr. McCasker ing charge of the farm was to cut a in his article on page three of Farm door on the near side of the barn and thus saved a walk that in all totalled over thirty miles a year for each man employed on the farm. Had that young man been content to such an extent that corn will not follow his father's precedent, he him- have attained its usual growth when self would have spent his life walk- harvest time comes around. During ing around the end of the barn.

had always kept beef cattle. So had that there is a very appreciable los almost all the other farmers in the in cutting even a few days ahead d neighborhood. That people should time. Of course it is best not to gi breed for beef was an established pre- the corn frosted as that involves much cedent. But this young man was a labor in carrying water to the sile precedent breaker. He invested in a But don't be too afraid of frost. Bet couple of sure bred Holstein heifers, ter have it frosted than cut too early likewise a pure-bred Holstein sire, and lose the food nutrients. At an He is now making more money in a rate there are several days yet year than his father made in the most consider the pros and cons of the successful year of all the 30 that he corn harvest.

delivered at other post offices within the hands of land speculators as had farmed. The son's income is creasing. His father had been a splen-It is because every school we build, did farmer in his day. But his son saw that changing conditions call for changing methods.

Of course his neighbors laughed when the late Jas. Sangster, of Ormstown, Que., sunk, as they thought, a few hundred dollars in a couple of pure-bred Holsteins. But Jas. Sangster did not care for precedent. He was going to work out his own ideas. As a consequence his son, Neil Sang ster, has to-day one of the best known herds of Holsteins in Canada, and the neighbors who once smiled now imi-

And so we might tell of practically all our great stock men and farmers. They have been precedent breakers They have refused to be bound by hoary tradition. They have had confidence in themselves and their own ideas. When a problem presented it self they did not inquire as to how it was generally met, as to what was the common practice in the neighborhood They studied the subject and injected into its solution their own personality. The way to success in farming often lies along the road of broken precedents and ridicule bravely faced

The best work is never done in a rush. This maxim applies in farming and every other occupation. The way to avoid a rush is to

Keep Ahead push the work instead of the Work. of having the work push you. A young Peterboro county farmer with whom we were talking a few days ago, evidently believes in pushing the work He has already made a good start at fall plowing. He says that he is just beginning to realize the benefits of fall cultivation. He plows much earlier than his neighbors and thus has a chance to disc the land that fall when he thinks it desirable to ridge it, thus giving the frost a better op portunity to mellow and pulverize the soil. How much ahead that young farmer will be next spring. He will be pushing the work right along instead of having the work push him.

Let us add our word to the excel and Dairy this week Frosted In many sections last spring, wet cold weath Corn.

er held back seeding to the latter stages of its growth, com The father of that same young man increases its food value so rapidly

"Far S. Dawson, What a sense Dealing elf, we might cor the great Soo, that who h oniuror. Lafayeti ring, o can illusionist. death while giving

September 4.

avs eggs at will. AD.

These men cou

earing a good c

oment's notice a

Would you be There is scarce ticle advertised th on woman's infl This is just as men's wearing a apparatus in the iles, as it is of even the clothes

Most men w this but if they b at all you will like per: "Well, as a most of the buyin Man may provi

the woman is the for practically e the family and f From a recent

that an average every family reac tion list read Fa some cases as n ten. This mean Dairy is read by sons. At least are the women-t ert the greater equipment of the

Many manufact of products, when or women, shoul portunity. Intere your produce.

uses it. Farm and Dair fidence of its rea men readers. W introduce to then vertisers whom v reliable. We do hem against frauc hind the goods ad It isn't only a

lation you buy in It is an introduction trust the introduc 'Our People''-t us and up-to-date in Ontario-to p equipped homesreciate good li People''-the dair somen of Ontario. Tell your sales cople. There is buyers or farme People.'' You are that, can afford the tose who do the

ome. Our Hous

October 10 is spe

the interests of wor

You are assure ntroduction throu A Paper Farme ncomo is ase; his antly de n a solent his son as call for

1913.

laughed , of Orms hought, a couple of Jas. Sangdent. He own ideas. Neil Sang est known a, and the

now imipractically d farmers. breakers bound by e had contheir own resented itto how it at was the ghborhood.

nd injected wn person-

in farming of broken wely faced. done in a in farming 1. The way rush is to the work A young with whom ys ago, evi-

the work od start at t he is just benefits of lows much s and thus nd that fall ele to ridge a better op ulverize the that young g. He will at along inpush him. o the excel . McCasker

ee of Farm this week. ections last cold weath k seeding to n will not rowth when nd. During rowth, cors so rapidly reciable los ys ahead of t not to get volves much to the sile frost. Bet eut too early nts. At any days yet to cons of the "Farming"

S. Dawson, Peterboro Co., Ont. What a sense of fascination the word "Farming" put on many town people Dealing with the world itpeople Dealing with the world itedit, we might compare it with one of
the great illusions given by Ching
Lung Soo, that great illusionist and
conjuror, who has been before the
ting or Lafayette, the great Amerian illusionist, who was burned to
death while giving his wonderful and
isselianing illusions.
These men could make fruit trees
bearing a good crop spring up at a
moment's notice and could make hens
lays eggs at will. Such seems to be

AD. TALK

Would you believe it?

There is scarcely a household article advertised that does not depend on woman's influence for its sale. This is just as true of furniture, men's wearing apparel, the heating apparatus in the home, or automobiles, as it is of the food stuffs or even the clothes for the children.

Most men won't acknowledge this but if they become confidential at all you will likely hear them whisper: "Well, as a rule, my wife does most of the buying."

Man may provide the money, but the woman is the deciding factor for practically every purchase for the family and for the home.

From a recent census we learn that an average of four persons in every family reached by our circulation list read Farm and Dairy-in some cases as many as eight and en. This means that Farm and Dairy is read by over 60,000 persons. At least one-half of these are the women—the women who exert the greater influence in the equipment of the home.

Many manufacturers of all kinds of products, whether used by men or women, should realize this op-Interest the women in portunity. your produce. Never mind who

Farm and Dairy enjoys the con-

the idea of many town people when talking of "farming."

I had the pleasure of talking to a proper to the pleasure of talking to a row to the pleasure of talking to a row to the pleasure of the pleasure of talking to a row to the pleasure of the pleasure

bush at him. This depicts a nine farm occupation; it takes the sweat out of you and you substitute it with the contents of a dipper.

Some time ago in England, was published a series of pictures called "The Way of the World." One of these was a picture of a plowman with his faithful team plodding through the furrow on Lifo's way. All around the border of the picture were little pictures of Society; people in evening dress, playing eards, singing, motorium, theatregoing and so forth, and world the series of the picture of society; people in evening, theatregoing and so forth, and world the series of the series o

we and young men attending agri-cultural colleges, taking chemistry, physics, zoology, etc., for what rea-son? To grow stuff and then take gall from the market buyer? No! but to try and get better crops so as to lessen the high cost of living.

Farm and Dairy enjoys the conservative of its readers—of its women readers. Why? Because we attroduce to them only those advertisers whom we believe to be reliable. We do more. We insure the against frauds by standing behind the goods advertised. It isn't only a distinctive circulation you buy in Farm and Dairy. It isn't only a distinctive circulation you buy in Farm and Dairy. It is an introduction to friends—who appreciate good living—to "Our People"—the most propper when a preciate good living—to "Our People"—the dairymen and dairy-wenn of Ontario.

Tell your sales story to the sepole. There is no better class of hayers or farmers than "Our People." You are reaching a class propel. There is no better class of hayers or farmers than "Our People." You are reaching a class that, can afford the best. Tell it to those who do the buying for the these who do the buying for the these who do the buying for the those who do the buying for the those who do the buying for the those who do the buying for the since the proper of the

CREAM SEPARATORS

USED EXCLUSIVELY BY 98% 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.
Montreal Peterboro Winnipeg

A Pure Wholesome Nutritious Meal

CALFINE

CALVES LAMBS COLTS PIGS



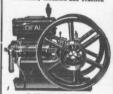
GUARANTEED ANALYSIS

Protein . 20 per cent. Fat . . . 8 per cent. Fibre . . 4 per cent.

Save \$15.00 to \$20.00 on Your Calf Feed

Write for Booklet and Prices CANADIAN CEREAL AND FLOUR MILLS, LIMITED Toronto, Ontario

GASOLINE ENGINES 1 to 50 H.P. Stationary Mounted and Traction



WINDMILLS Grain Grinders, Water Boxes, Steel Saw Frames, Pumps, Tanks, Etc. COOLD, SHAPLEY & MUIR CO., LTD. Brantford Winnipeg Calgary

The Call of the North

Do you know of the many advantages that New Omario, water of the control of the c

A NEW

Corn Cutter and Blower

Combining all the latest ideas and improvements in this class of machinery. If you are going to buy a Silo Filler this year, be sure and see this splendid new machine. We also manufacture all kinds of Corn and Feed Cutters.

Send for booklet describing them

The Peter Hamilton Co., Ltd.

The John Deere

Plow Co., Ltd. Toronto



Extra Pay for Workers!

We have a special opportunity for a person in your locality.

A person who can during the next two months devote some time to seeing friends and neighbors about taking Farm and Dairy.

If you are the person and want to grasp this opportunity, and make good pay, for your time and effort write to-night.

FARM AND DAIRY, PETERBORO

FOR SALE AND WANT ADVERTISING

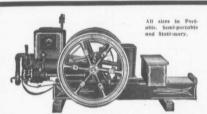
TWO CENTS A WORD, CASH WITH ORDER

FOR SALE-500,000 Feet Pipe for Sale. First-class for water and steam, green-houses, etc. Also bargain in a hundred other useful articles. New list sent on request. Write at once-Imperial Waste & Metal Co., 65 Queen St., Montreal, P.Q.

RAILROAD WORK PAYS WELL above pick and shovel. Train for better jobs. Learn Telegraphy and Agenta work. Take our Correspondence Course. Begin now. Write Shaw's Telegraph and Rail-road School, Toronto.



Lump Rock Salt, \$10 for ton lots, f.o.b. Toront-Toronto Salt Works, 128 Adelaide St. E G. J. CLIFF, Manager Terento, Ont



Good-Bye To Old Methods

Old methods of doing farm work are fast passing away. Modern, labor-saving and time-saving methods are now the order of the day. The supplanting of manual labor with the time-saving gasoline power is one example of the new order of things.

is one example of the new order or samps.

Gasoline power is more ellicient than manual labor. It is tireless, faster, more economical. It is dependable, doean't stop for
meals, doean't grumble about long hours or eak for a day off. It's
always ready to do your bidding the moment you start it.

And if you own a Renfer Standard gasoline engine you can also it without crashing. The Entire Standard bandown convergence the standard bandown of the



Made in stationary, semi-portable, as illustrated, portable on hand trucks or horse trucks. In lact, all styles and sizes, from 2½ to 60 h.p. The most talked about engine in Canada to-day. Write for catalog giving complete description.

The Renfrew Machinery Co., Limited

Head Office and Works: RENFREW, ONT.

Sales Branches at SUSSEX, N.B., SASKATOON, Sask., CALGARY, Alta.

Agencies Almost Everywhere in Canada

Ayrshire Exhibits at Toronto

Ayrshire Exhibits at Toronto Lovers of the "bonnie Ayrshire" had no reason to be dissatisfied with the quality of the exhibits of the breed to be seen at the Canadian National Exhibition this year. For uniform high quality the Ayrshires compared favorable with every other breed of cattle on the grounds. The winners were the best that breeders of this country and the Old Land can produce. It was the number of entries that was the unsatisfactory feature of the Ayrshire sections. Last tries that was the unsatisfactory feature of the Agrahire sections. Last year the number of exhibitors fell to four, and this year only three herds turned up, those of R. R. Ness, Howick, Que., and Wm. Stowart & Son, and Alex. Hume & Co. of Menie. Ont. E. D. Hilliker, who exhibited last year has since sold his herd.

Few Ontario Agrahire breeders have

ever been in the habit of showing at the larger fairs. Quebec breeders, however, are well known showmen all over America and in many former

Words fail us in describing this grand cow. Just take the outlines of a model dairy cow, such as an expen might draw unhadered by the limit ations of the breeder in dealing with real fiesh and blood, fill in the side of the model with properly arranged red and white splashes and one would have Auchenbrain Fannie 9th perhaps the most perfect Ayrshire con ever seen in America.

A cow that will rival Fannie closely is Broomhill Flora 2nd, shown by Mr. Ness in the dry class. She is a cor of wonderful depth and with all kinds of quality.

Perhaps the pick of the Exhibition string of Wm. Stewart & Son, was Bluebell, of Menie 2nd, the senior calf that won first in her class. This heifer seemed to be possessed of a little more substance than her competitors and had in addition the true straight lines that always go with perfect Ayrshire type. The awards in full follow:



Graded Herds up for Inspection at the Canadian National

Ayrahire graded herds brought out four entries. The first prise herd, that of R. R. Ness, may be seen in the foreground. Standing next to it is "vg herd of Wm. Stewart and Soas."—Photo by an editor of Farm and Dairy.

come to Toronto years have come to loronto in strength. The best reason why they are not there now was probably ex-plained by Mr. Ness, when he re-marked to an editor of Farm and Dairy: "We have our own shows." Dairy: "We have our own shows."
The trip to Toronto is a fairly long
one. The fair lasts just twice as long
as the ordinary fall fair. And the
breeders don't think the returns are
sufficiently remunerative to justify
the extra expenditure of time and
money. Consequently most of the
whit Observations fairly have large money. Consequently most of the chief Quebec province fairs have larger Ayrshire classes than are now seen at Toronto. In fact some of the western fairs this summer were ahead of Toronto, in number of exhibits at

But if entries were not large competition was keen. Only in one class as there no competition. Ness, with a part of the herd he has shown with such success in the West for the past few weeks, further strengthened by a consignment from the home herd at Howick, was the the home herd at Howick, was the largest prize winner, he being parti-cularly successful in the older and group classes. In the younger stuff Stewart and Hume held their own. Stewart was particularly strong in young stuff. He had a very uniform lot of calves and their uniformity stood them in good stead in several group classes where they compated group classes where they competed with youngsters that may have been superior individually but lacked the iformity necessary.

uniformity necessary.

Masterpisce, winner of championship honors at all western fairs this
summer, added still more to his laurels by eapturing the male championship at Toronto. He is a bull hard
to fault. He may be a trifle on the to fault. He may be a trine on the small side, but so compactly is he built that he appearance of smallness may be deceiving.

May be deceiving.

Another old time winner from the Ness herd that again triumphed was Auchenbrain Fannie 9th, female champion both this year and last.

Photo by an editor of Farm and Dairy.

RSHIRE AWARDS

Mature bull — I. Hobsland Masterpiec.

Ness; 2, Auchenbrain Hercuites, Iume; 1,

Springhill Cashler, Stemars.

Springhill Cashler, Stemars.

Lucky Cawaller, Ress; 2, White Duke of Springhill Cashler, Hume.

Bull, 1 year old—Hobsland Sunris,

Ness.

Gavalier, Ness, 2. White Duke of Springbank, Hume.
Bull. 1 year old—Hobsland Sunris.
Bull. and Call—Hobsland Sunris.
Bull. and Sunris.
Bull. 2 year old—Hobsland Sunris.
Bull. sonior call—I. Bether Lea of
Menie, Stewart; 2. Prince Arthur of
Menie, Stewart; 2. Prince Arthur of
Menie, Stewart; 3. Prince Arthur of
Menies, Stewart; 4. Burneide Ben. Nos.
Bull. junior call—I. Burneide Ben. Nos.
Bull. junior call—I. Burneide Ben. Nos.
Bull. junior but ye dement and bouge
of Menies and grande hampion—Hobsland
Sunrise, Nesse
Schieder, Stewart and Sunrise, Nesse
Cov. 4 yester and Sunrise, Nesse
Benedan Spotte, Ness; 3 and 4. Lassi
Benchan Spotte, Ness; 3 and 4. Lassi
and Glerhiand Kate 2nd. Hume, 5 beCow. 3 years old in mille-I. Burneide
Borolby 2nd, Ness; 2, Kate of Meis,
Cow. 3 years old and mille-I. Burneide
Borolby 2nd, Ness; 2, Kate of Meis,
Cow. 3 years old and over in call as
Bull. Sunrised Borolby 2nd, Nesse; 3 and 4. Lassi
Borolby 2nd, Ness; 4 hume, 5 and 4 lassi
Borolby 2nd, Nesse; 4 hume, 5 and 4 lassi
Borolby 2nd, Nesse; 5 and 4 lassi
Borolby 2nd, Nesse; 5 and 4 lassi
Borolby 2nd, Nesse; 6 hume, 6 and 1 lassi
Borolby 2nd, Nesse; 6 hume, 6 and 1 lassi
Borolby 2nd, Nesse; 7 hume, 6 and 1 lassi
Borolby 2nd, Nesse; 8 hume, 6 and 8 lassi
Borolby 2nd, Mellender, 6 and 1 lassi
Borolby 2nd, Mellender, 6 and 1 lassi
Borolby 2nd, Hume, 8 and 8 lassi
Borolby 2nd, Hume, 8 and 8 lassi
Borolby 2nd, Hume, 8 and 8 lassi
Borolby 4 hand Netherhall Merie
Borolby

4, Stewart. Junior herd-Ness, Stewart, Hume.

Clean and Bis BT Sanitar

September

Join th

all Book tells as. Carrier Borriers. Both

BEATTY BROS.

Thousands of buying their en, We pay special orders. Car lots The smaller of much care and larger one. We pay freigh 500 lbs. or more Ontario.

We pay freigh 500 lbs. or more ontario.
We handle al via: Linaced Meal. Linaced Oil feed, Bran, Shor It matters no may need we haw we manufacts write to-day a and we will be you prices.

Crampsey Dovercourt Rd

CREAM

We pay the highest delivered awest or effice. We supply on ly, with an accurate ment. If is years' en your cream to the IT PAYS.

If interested you s Toronto Crear

TORC EGGS, I

and POI For best results, ship ; o your Dressed Poult and New Laid Eggs, crates supplied. Promp

The DAV

Established 1854 T



Add DEPT "

WA DRUMP 214-KING. TORONTO - this grand lines of a an expert the limit ealing with the side of ranged red one would of the per-ershire con ess Wor own by Mr.

ne is a cow
th all kinds Cleaner Barns

1913.

Exhibition

Son, was

lass. This essed of a her com-

that of

and Dairy.

side Lucky

Munrise, her Lea of Arthur of ide Burland

npion-Hobe unior male Ness.

y 9th and sd 4, Lassie me; 5, Dev-

-1, Burnside of Menie,

ouse Queen 3rd, Ness. Humeshaugh ruside Diam a 4th, Ness. Stewart. and 4, Hole-rhall Merlis rd of Menis.

ell of Menie Spicy Kate, osy 4th and

ire 1 and L

a cow-1 and

e: 8, Hume:

and Bigger Profits ooks prove it! Send name! Read how to feed dividually—water them in stall—line them so manure drops in gutter—not under the Read proof of how

Bead proof of low
BT Sanitary Barn Equipment
Prevents ruined udders, wasted feed, abortion, and protects bealth of cows so they are
contented by give more and better milk.

In the second of the second better of the second beat of the secon

Join the Crowd

Thousands of feeders are now buying their supplies from us. We pay special attention to mixed orders. Car lots or less. The smaller order gets just as much care and attention as the larger one. Buying the care of the care

so the or more to all stations in Ontario.

We bandle all kinds of feeds,
We landle Meal, Ootton Seed Meal, Linneed Oil Oaks Meal, Olitten Peel, Bran, Bloots, etc.

We manufacture "Good Luck" Stock and Poutry Feeds,
Write today stating your needs, and we will be pleased to quote rou prices.

Crampsey & Kelly Dovercourt Rd., Toronto, Can.

CREAM WANTED We pay the highest city prices for cream delivered sweet or sour at any expressed. We want to the transfer of the transfer of

If interested you should write us. Toronto Creamery Co., Ltd. TORONTO

EGGS, BUTTER and POULTRY

For best results, ship your live Poultry to us also your Dressed Poultry, Fresh Dairy Butter and New Laid Eggs. Egg cases and poultry rates supplied. Prompt Returns.

The DAVIES Co. Ltd.

atablished 1854 TORONTO, ONT.



214-KING ST.EAST.

TORONTO - CANADA

************** Creamery Department

Butter makers are invited to send so contributions to this department, of an an appearance of the send of the send

More Frequent Delivery

"A Maker," Middlesex Co., Ont. I have frequently heard produce I have frequently heard produce men express their regret at the pass-ing of the old-time whole milk creamery. They tell me that the change to the hand separator and cream collecting routes has resulted in inferior butter. And they are

in inferior butter. And they are in inferior butter made from separator cream inferior to that made from whole milk The dirty separator cream inferior to that made from whole milk The dirty separator or is probable. Infrequently moved to trouble. Infrequently moved to the diverse in the last assertions a confort in the inferior in the conformation of the milk creameries, the milk was delivered each day and separated in the creamery. It was fresh cream that was made into butter. Now with twas made into butter, and in some cases in winter, only once.

most cases twice, and in some cases in winter, only once.
Old cream gets spoiled flavor even when well cared for, and we cannot expect to make as good butter from it as from fresh cream. Wherever possible I would advise daily delivery. In any case cream should be delivered three times a week.

The Pipette Discredited

E. R. Bute, Wellington Co., Ont.
"Why don't you send us rich
cream?" a creamery man in this
county recently asked one of the county recently asked one of the shrewdest of his patrons, one who had always done things right and had al-ways been quick to take suggestions for the improvement of the quality of his product.

his product is patron of the quanty of his product, the patron looked at the maker and then drew a long wink. "Do you see a green in that eye?" he asked.

"I arrest in that eye?" he asked of crean that living you the kind of crean that living you the kind of crean that living on the patron of the patron of the patron. "How do you make that out?" asked the maker. "You remember," answered his wise patron, "that at the last annual meeting I moved that we adopt the scales and fire away the pipette. You, for reasons of your own, and the patrons because of their ignorance and blindly following, turned down the me because of their ignorance and blind-ly following, turned down the mo-tion. As long as you use the pipette thin cream, which weighs more than thick cream, will give me a higher test, credit for more butter fat than I actually bring, and I'll get more

I actually bring, and I'll get more money. As soon as you adopt the scales and give us a fair test I'll be right along with the thick cream."

I was standing near listening to this conversation. It may not have the words exactly right, but the idea is there. I wonder how many other patrons view the matter in the same way?

Feeding the Dairy Herd

Continued from page 4)
dairy cow. We may not all be able
to grow alfalfa, but we can all grow
clover. Feed as much as the cows
will clean up. When the cows have
eaten all the ensilage, grain and hay
they want some roots can be fed in
addition and to advantage. addition and to advantage.

addition and to advantage.

I have mentioned these feeds in the order in which we feed them at Ottawa. In the morning we feed the ensilage and cut straw with the meal thrown on top and mixed in. Then we milk, after which the cows get a feed of hay. In the evening, the same order is followed. The heavier producers get rotes at noon. If fed, turnips are given just after milking.

Don't delay another day ordering an

Ideal Green Feed Silo

Don't put off ordering your silo thinking that there is plenty of time.

There has been such a demand for Ideal Green Feed Silos this year that some farmers who wait too long may get left.

Get your order placed now and your new silo up in time to take care of your corn.

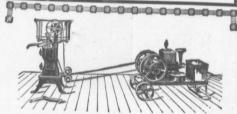
You know you ought to have a silo, so what's the use of putting off ordering it a single day longer.

Thousands of successful owners are thankful for the day they erected an Ideal Green Feed Silo on their farms.

Our large, illustrated Silo Book contains much valuable information about silos and silage. Sent free upon request.

DE LAVAL DAIRY SUPPLY CO., LTD. LARGEST AND OLDEST SILO MANUFACTURERS IN CANADA

MONTREAL PETERBORO WINNIPEG VANCOUVER



This Outfit Was Made for You

HERE was a time when all farmers hitched up every other morning - part of the year every mornevery other morning—part of the year every morn-ing—and took their milk to the creamery. Today may of them use cream separators, because they find more advan-tages, fewer difficulties, and much profit in the modern way. Do you still plod the uncertain creamery route, or have you the efficient little team shown above at work for you? This outfit, an

I H C Cream Separator Dairymaid, Bluebell, or Lily

and a one-horse power back-geared I H C engine, will save you, in cream, from five to fifteen dollars per year on every cow milked, separate your milk and cream cleanly and thoroughly, and give you cleam, fresh, warm skim milk to feed that will build up tat, beating 1 H C separators are the best separator bargains you can buy, because they will do better work and last longer than other one and buy, because they will do better work and last longer than other, the property of the machines. It is economical, sturdy, steady and reliable.

The 1 H C local agent will show you the outfits Write for catalogues and full information to the

International Harvester Company of Canada, Ltd

At Hamilton, Ont.; London, Ont.; Montreal, P. Q.; Ottawa, Ont.; St. John, N. B.; Quebec, P. Q.



September

World's Pe

Thos. B. Scott,

has not been swe tremendous effor

military spirit i spirit is at prese and in its gra

and sham battle cadets and boy stealing into the

note too the pur

of acres of land vinces

grounds for this

and Dairy, in th

us the pertinent

prefering one and This has clearly

of the Canadian their collective be

coming the voice gious world. Wit

re are surprised attitude of the

at the very eve o

Peace Movement. tions of the civil

ed to come and h

100 years of pea line 3.000 miles le

and the United S

"He the We were reminding week of the "Be ye kindly af other with broth

Amid all this

par

It is refreshing great sgricultur



ABIT is a cable; we weave a thread of it each day, and it becomes so strong we cannot break it.-Horace Mann.

The Boy and the Jersey Calf

under the big apple tree in the old orchard, it would try to get his fingers in its mouth and would follow him And when to the gate. And when he came again with the milk it would come scampering to meet him as he called, "Co

bossy, co bossy, co bossy."

The price of veal calves soared and soared until the people were willing to accept any sert of a calf not actually a yearling as a veal, and Jimmie's father was offered 10 cents a pound "for that scrub Jersey in the or-chard." Now the Jersey was not a scrub. Under Jimmie's regular feeding it was al-most too fat in fact, according to the belief of men on ing to the belief of men on the island of Jersey, where these marvellous little cows come from. It was beyond the age of vealhood perhaps, but still small enough and certainly fat enough to pass very well, so Mr. Blake sold the calf for 10 cents a pound

And Jimmie was not con

And they loaded it into And they loaded it into the wagon, Jimmie sullenly refusing to assist, but took his fishing rod and started off for the creek instead. started off for the creek instead. However, Mr. Blake with his great However, Mr. Blake with his great voice that would carry a mile recalled him to disagreeable duty.

in to disagreeable duty.

"Jimmie, come here this minute.

It is too busy a time for you to go fishing to-day. None of us can be spared from the corn field to-day, you spared from the corn head to day, you will have to take the calf to town. Just take him to the shipping pens. Mr. Wilkins will be there to receive him. If he gives you a cheque be careful not to lose it."

Without a word Jimmie took the reins and drove out of the yard and down the highway. To sell his calf for veal and make him haul it to town! The calf was tied by the neck town: The call was tied by the neck in the big wagonbox. It was fright-ened and tried to get free, meanwhile emitting various astonished and pro-testing bawls. Jimmie went to it, besting baws. Jimme where or put his arm about its neck and comforted it as best he could. He moved his seat back so that he would be near the calf. The calf grew quiet and began to chew Jimmie's sleeve. The horses, oldest team on the place, brancl dropped to a very slow walk. Jim deep mie did not urge them. With his down

HE was just an ordinary sort of heart very full of sorrow and bitterfarm boy, was little Jimmie ness he drove ploddingly on The calf Blake, and he disliked to get was his, his father had given it to pick up chips and weed the garden, common, burly, stolid beef a dislicate on the word of the solid like between the solid like brained, sensitive, human sort of a to feed the Jorsey calf. It was such calf and it loved him. It would be a pretty thing anyway, with its soft put in a car with hogs—he knew Mr. brown color and its great eyes almost Wilkins' way—and the journey to the like the eyes of a deer. And the calf city would be an agony of terror for liked Jimmie, and after it had drank the little darling. It would be starved, its milk from the bucket, out there frightened, calling for him and no

neither

A Conservatory That is Also a Delightful Living Room

his conservatory is the pride of its owner. Mr. T. A. Trinholm. Montreal. Such a room would be not be a reader secure of plaures. The monetter with the country home than in the city, and the holdes without a great outlay of money to any farmer's home already heated with steam of the water.

one would do anything but laugh, strike it with sticks, kick it with cruel feet.

Perhaps the calf would have rea remaps the call would have reached Tompkinsville if the horses had not of their own accord stopped at the watering trough by the beech woods, where the water comes down woods, where the water comes down a green and messy wooden spout from a spring up on the hillside. Jimmie let the team drink and the calf wistfully sniffed the air and seemed to be longing for a drink. It was a hot morning and dusty on the road. As Jimmie stopped there a great load of hogs passed by drawn great load of hogs passed by drawn great load of hogs passed by, drawn by four horses, the hogs, enormous brutes, squealing and fighting in the wagon. The ealf was terrified and tugged at its rope. Jimmie in a hlind rage set his firm little jaw, backed his wagon across the road and oxen. Yet I am sure I heard a calf bawl down there. I have not seen Wilkins yet either, and I hate to seem suspicious of the boy."

turned homeward. He had not much of any plan. He had not much of any plan. His father was very stern with him. His only thought was to save the calf from a ride to the city cooped up with those hideous fighting swine. Below the house the little spring branch dipped steeply down in a deep tree-shaded rayme. A path led down the rayine, there was a fonce

road led to the pasture. Jimmie took this lower road and put the calf

in the pasture.

"Good bye, Bonnie, I will come for you after a while." he said to the astonished little animal, as he drove slowly away again, back to the main highway, and thence to the farmyard, a little easier than he had expected.

"Well sount, what did the calf weigh?" asked the father, with an easy smile.

don't know," doggedly said "Well, did Wilkins give you a

"He did not," said Jimmie.

"Oh, well, no matter, I suppose he thought a boy might lose it. I'll see him in town on Saturday."

Saturday! Well, that was no week away, and this was only Mon day afternoon. The lad was given the milk and told to give it to the hogs, the milk that had been Bonnie's portion. In truth the hogs did get a part of it; then after lingering a time at the pens the lad slipped off with the bucket, still nearly full, down the the bucket, still nearly rull, down the path to the ravine. Finding the calf after a time he fed it and it followed him to the upper gate. Thus passed

him to the upper gate. Thus passed several days of wary maneeuvrings on the part of the boy and the calf. "Mother, that boy acts mighty

across it below, and a gate. A lower stern face gradually relented, a slow road led to the pasture. Jimmie smile overspread it. smile overspread it. "Thought I'd come

the oxen, Jimmie," he a ologe tically. "Have you seen anything of tically. "Have you seen anything of them? Just set your bucket over the them? Just set your bucket over us fence and come and help me hun them. Why, how the calf has grown! I guess she likes it better here that in the orchard, but you better bring her back, sonny. These Jersers as her back, sonny. These Jerseys get wild as deer if they are not where they see people a great deal. Just put her in the old place after breakfast, if you like."

Together the two went down the Together the two went down the trail and out onto the sunny hills, where grazed old Buck and Bright Jimmio walked a little behind his father until the latter slowed his steps and reached for the lad's had, as he had done so many times in he earlier boyhood. Together then they walked according to the steps of the step earlier boyhood. Together then ten walked across the daisy carpeted hil-side in the morning sunlight, the father full of new sweet tenderns and love for the boy, the boy penitant, grateful restored to his old love for the stern but loving father. Be tween them was a new if unspokes bond. Jimmie had been admitted into partnership. No longer would his hopes, plans and desires be reckened as of no importance. The father sar what he had never seen before, that neither parenthood nor mere length

of years gives one a right to dominate the child.

And Bonnie? She won first in the yearling class at the county fair, first in the young cow class and made; record in the cow testing association class. How much better than going to be ved ed!—Jos. Ewing, in Breed ers Gazette.

How to Wash Hair Brushes

There is really an art in me proper washing of har the proper washing of his brushes; the best brushs may be ruined by care's may be ruined by careiss washing, and if the bristle are allowed to become soft, hair brush becomes practically useless for its intended purpose.

Many people cleanse his brushes by covering the with wheaten flour, and simply rubbing the bristle together. This method, horever, is not thoroughly safe together. factory. To keep your brush es in good condition, process in the following manner Have two shallow

queer about that calf," remarked Mr. one of moderately hot, the other Blake after they had gone to bed one cold water. To the first dish, whi contains, say, a quart of water, add dessert spoonful of ammonia. No "Well, father, you did very wrong in first giving it to the boy and then making him haul it to town. He had take your brushes, one by one, keep dipping the bristles up and don making nim naul it to town. He had his heart set on that calf."
"Mebby I did, mebby I did, but that is not what I mean. The boy has something on his mind. He is so silent, he hardly says a word only in the water (being careful not to we the backs), and in a minute or we the dirt and dust will come out of them as if by magic, leaving the beautifully white. when he is spoken to and he is always going down toward the branch and takes something down there in a

Now dip up and down several time in the second dish, containing the and place to drain across a rack of towel-horse. No soap is needed, as no rubbing with the hands. If you adopt this method of clear

ing your brushes, you will find the they will last three times as long if cleansed with soap, and that thristles will preserve their stiffness-

A great chestnut tree stood down by the pasture gate and the next morning as the boy was feeding Bon-nie with milk from the pigs he was amazed and terrified to see his father suddenly* appear from behind that chestnut tree. One swift glance at his father's face, hard to read just then, and the boy's eyes fell. He held the bucket in one hand and Bonnie was franticulty seeking a few linger-ing drops in the bottom. Mr. Blake's Sometimes when we are a rain storm and open our we find to our dismay hat a holes appeared. If a small piece of his sticking plaster is soaked until as soft and placed over the hole and lowed to dry, it will close the much neater than if it were da



I am sure there is nothing in that pasture but a yoke of old oxen. Yet I am sure I heard a calf

great chestnut tree stood down

World's Peace Movement

Thos. B. Scott, Middlesez Co., Ont. Thos. N. Scott, Muddlesey Co., Ont. It is refreshing to find that the great agricultural press of Canada has not been swept off its feet in the tremendous effort to propagate the military spirit in our people. This spirit is at present sweeping into our land in its grand Military Parades and sham battles, down through the models and box scouts.

and sham buttles, down through the cades and boy securts and is fast stealing into the day schools. We note to the purchasing of thousands of acres of land in the different provinces for parade and training grounds for this mighty heat. Amid all this din and racket Farm and Dairy, in the Upward Look, asks as the pertinent question, "Who is my neighbor?" Its beautiful answer comes. "He that showeth mercy." We were reminded again the following week of the Master's admonition, "He ye kindly affectionate one to an-"Be ye kindly affectionate one to another with brotherly love, in honor prefering one another."

This has clearly been the expression of the Canadian churches this year in their collective bodies and is fast becoming the voice of the great religious world. With this view in mind we are surprised and pained at the attitude of the Canadian Parliament at the very eve of this Great Worlds' Peace Movement, when all the na-tions of the civilized world are invittions of the civilized world are invit-ed to come and help us celebrate this 100 years of peace on a territorial line 3.000 miles long between Canada and the United States. There is not a single gun or fort on this line. The nations of the world are invited to inspect this line with no other de-fence or protection than the kind admonition of the Master "Be kindly

monition of the Master De Sindy affectionate one to another ''.

How beautiful is the Christian spirit. Will the representatives of other nations carry this spirit back to their own people? And what will. be the impression upon these nations of the attitude of our Canadian Parliament on their knees before their God of War, praying and paying for great armies and navys?

Well may the peaceful citizens of Canada tremble lest the prayer of her Parliament should be abundantly an-swered and her fertile fields, designed Parliament and the fertile fields, designed by nature to feed, clothe and comfort, should become the training ground in all the eraft, cunning and cruelty of human destruction. How hideous is this whole spirit of "harted, malice, this whole spirit of "harted, malice, and we will be a survings and murder." What a survings and murder." envyings and murder." What a beautiful contrast we have in the Master's words. "A new commandment I give unto you, that ye love one another."

. . .

Old pieces of velvet or velveteen Old pieces of velvet or velveteen that may be left over from something we have been making can be used very judiciously, if perfectly clean, for cleaning walls. The the velveteen over the head of the broom and sweep the walls from top to bottom. These leftovers can also be used to advantage when cleaning stoves, as they give an extra shine.

Rest that Counts

To a careful housekeeper and homemaker nearly all economies appeal ex-cept one, and that is economy in the use of her own physical, mental and nervous force. Yet in many cases, use of her own physical, mental and nervous force. Yet in many cases, perhaps, this is the most essential economy of all. Few naturally ener-getic and conscientious women learn this lesson until taught it forcibly, by painful experience. The know-ledge may thus come too late to bene-fits the life. fit the life as it might if it had been earlier acquired, but it is never too late to be a help.

Many practical ways to economize in the expenditure of health and strength may be discovered if one sets the mind to search for them. describe one little custom which has proved of great benefit to me. I am proved of great beneat to me. I am a busy woman, and far from strong. There are many such who would find the forming of a similar habit greatly to their advantage. We all find, I think, that the first

duties of the day hurry us more or less, and leave a certain wearinessless, and toave a certain wearness-sometimes depression. At nine o'clock I drop everything. I go to a quiet, well-aired room and lie down for half an hour. I relax my body. I do not read and I resolutely put out of my mind all thought of the work waiting for me, of engagements. possible visitors—everything that can interfere with the absolute rest of body and mind that I am trying to

It is not possible to keep the mind blank, and the banished thoughts will return if their place is not filled by return if their place is not filled by others. So, after dismissing my cares, I turn my mind to something pleasant and uplifting, but unexciting; a favorite line from a favorite poet, a comfortable passage of Scripture—something very brief. When the mind wanders—as it will, especially at first—I bring it back resolutely, but without fretting over. but without fretting over it.

(15)

A different hour of the day may suit some women better, but it should not some women better, but it should not be put off too long, and it should al-ways be the same hour if possible; when not, as near it as may be. Regu-larity is essential. If the daily rest period is observed regularly, religiously, not merely now and then as a good opportunity offers, the benefit can scarcely be measured, and will soon be perceptible.

The women who need it most will see the greatest number of "lions in the way," but they must not say that it cannot be done. It can. At first a little forethought and planning may be necessary; but it is worthy of thought. Forbid interruption and lock your door. The wheels of your little world will not stop or become seriously elogged if you drop out of it for half an hour daily. You will gain not only rest, but renewed power, and the provided for the provided for the provided with the provide little forethought and planning may The Country Gentleman.



"Uniformity is a big word, Bud." "I 'spect it's because it means a lot, Rose."

Steady-Regular-Dependable Quality,

there's the FIVE ROSES idea. No bad dreams bakeday eves - the

morning batch "flat" instead of "up." So very exasperating, you know, to get less loaves this week than last from the same quantities

FIVE ROSES is the sure flour - reliable, you see

No wrinkling worries over bread, or cakes, or pies, or anything.

Bake things always up to the mark of your happy expectations.

Disappointment-never.

Four times Uniform-Strength, Color, Flavor, too, and Yield.

FIVE ROSES-trouble-proof flour. Use FIVE ROSES always.

Not Bleached



Not Blended

LAKE OF THE WOODS MILLING COMPANY, LIMITED, MONTREAL

here than better bring Jerseys get not where deal. Just t down the behind his slowed his

, 1913.

ted, a slow

anything of

p me hum

I find

a; ologe

lad's hand, times in his then they arpeted hillinlight, the tendernes e boy peni-his old lone father. Be if unspoken dmitted into would his be reckoned e father saw before, that mere length e a right to

She won first class at the rst in the and made a w testing 25 How much g to be real ash Hair es'

an art in ing of har best brushe by careles the bristle ecome soft, omes practi cleanse his

flour, and the bristle method, howroughly satis p your brushition, proceed manner: the other d water, adda by one, and up and down ful not to we come out deaving the

several time ntaining the m, shake wall oss a rack of oss a rack of s needed, mi nds. hod of clem-will find the nees as long of and that the ear stiffness-

are caught i are caught a our umbrou hat a hole is piece of lad ed until qui ee hole and i close the is were dared 984

Capable Old Country Domestics

Parties arriving about September and, and weekly thereafter.

Apply Now

The Guild, 71 Drummond St., Montreal and 47 Pembroke St. Toronto

RTSHOD

SHADE



Acknowledged to be the finest crea-tion of Water-proof Collars ever made. Ask to see, and buy no other. All stores or direct for Ze.

All "ARLINGTON COLLARS" are good, but our CHALLENGE BRAND is the best



SEND \$1.00



Receive post paid Two Dress es for girls, age 2 to 8, age 10 and 12, 75e each, for fal and winter wear. Materia is cashmerette, in red, nay and cream or wrapperette if pretty patterns. Order to Standard Garment Co., London, Out

A"City Woman's Point of View By "Aunt Fanny," Peterboro Co., Ont. While spending a few weeks with a

friend in the country recently, I was strongly impressed by the negligence strongly impressed by the negligence shown by the men in their personal appearance. Shortly after my return I noticed an article in the Aug. 14th issue of Farm and Dairy entitled "As Others See Us." which brought this visit and its accompanying impres-sion vividity to mind.

Such a thing as cleaning up when coming into the house never seemed to occur to these men. They would go into the best rooms and sit down go into the best rooms and sit down still wearing their old overalls and boots in which they had been work-ing around the barns and fields. I noticed also that this was not their custom around the house only. They would jump into their rubber-tired bougty and go to town in the very bougty and go to town in the very the addi-tion of a straw hat having the brind half tern off. half torn off.

HESITATED TO INVITE Upon going down to breakfast the morning after my arrival my friend informed me that she had been undecided whether or not to invite me out to visit her just on account of the

to visit her just on account of the carclessness shown by the men in their dress. She remarked:
"I know I have the best husband and son in the world, but I do wish they would endeaver to 'sprace up' and I believe if they would do so, they themselves would be surprised at the results. Whenever I broach at the results. Whenever I broach the subject, however, they tell me they cannot be dressed up and work at the same time. Of course I do not expect this, but I do think it would be quite possible for them to look neat and clean while they are around

UP-TO-DATE FARMERS (?)

These men are known as prosper-is, up-to-date farmers. It seems to ous, up-to-date farmers. It seems to me that no matter how up-to-date a man may be considered in his farm-ing methods, he cannot command the respect due him unless he shows his neighbors and friends that he re-spects himself and takes a pride in dressing according to his means. I sometimes wonder how some farmers can appear so indifferent along this line. I believe that some of these have worked as hard to make

along this line. I believe that some of them have worked so hard to make a comfortable home for their families and thomselves that hard work has become a habit and they do not care how they look so long as they get the work done. The untidy appearance of others may be due to lack of early training. The habits learned while values were these works. young are those most apt to stay with us all through life.

No matter how successful a man may be in his life-work, he is judged from outside appearances. If a farm-er does not take a certain amount of pride in appearing well before his fel-lows, he is bound to lose a great deal of respect that should be coming his

> ... Ant Remedy

The following is a tried and true recipe for driving away ants of all kinds.

Equal parts of tartar emetic and sugar. Mix dry, then moisten with water to the consistency of syrup and put on a dish in the runway of

and put on a dish in the runway of the ants. They will ast very freely of it and fail to return for a long time, or perhaps for the season. The dish may be set away when dry. When again needed add water and a little more sugar, and it is ready for law. The one dish may be used several times. Great care should be observed in order that children do not get at the tartar emetic pre-paration, ast its poisonous.—Mary paration, as it is poisonous.—Mary L. Bull.



Saves time in Chasing Dirt

Many uses and full directions on Large Sifter - Can 100



anyclass of building from Concrete Block. The London Adjustable Concrete Block Machine make every kind and size of block. High grade Moderate price. We manufacture a full list

LONDON CONCRETE MACHINERY CO. Dept. B., London, Ont.



The Biggest Thing in the Clock Business

Big Ben is the biggest thing today in the alarm clock business.

He is only two years and a half old, but he's already getting more work from the Dominion than any clock alive.

In two years and a half time, 6,000 Canadian dealers have adopted him. Nearly half of the families in Canada leave it to him to call them up in the morning; nearly half the families in Canada use him all day long to tell the right time by. He is really two good clocks in one—a crackerjack of a times. keeper and a crackerjack of an alarm.

sceper and a cruckerjack of an alarm. Big Ben stands even inches tall. He is triple nickel-plated and wears an inservent of steel that Insure in the first treat of steel that Insure in the 16th and 16th alarm. The steel that the st

Hig Ben's price is \$3.00 anywhere in Casada. It so cannot find him at your dealer's, a money order into Westcher, La Salle, Illinois, will bring him to so, carefully packed and duty charges paid.

BIG BEN



EQUIP YOUR LAMPS WITH A RADIA LAMP BURNER

POWERFUL WHITE INCANDESCENT LIGH POWERFOL WHITE INCANDESCENT LIGHT. IN candle power, burns cummon coal oil No lamp any more than a common burner, given lamp any more than a common burner, given lamp any more than a common burner, given lamp and the lamp and lamp. It is a present that the lamp and lamp and lamp. It is a present that the lamp and lamp AGENTS WANTED

AUG. GAMACHE, Manufacturer, SAWYERVILLE, P.O.

FALL WHEAT —The results of 50 years continuous use of Pertil-ter on Wheat at the Experimental Station at Rothamster, England, show the results of the Complete Pertiller, Will bush average viold per sare. These experiments of Rothamsted are the most exhaustive and reliable in the history of agricultural investigation, and should command the serious attention of every wheat product.

Stone's Fertilizers

Every Ontario farmer should use Stone's "FALL WHEAT SPECIAL" and increase the average yield which is only 19 hush, per acre. Made from the best available Nitrogen, Phosphore Acid and Potada, mechanically mixed, in perfect cured condition for drilling, the perfect cured condition for drilling, the perfect cured condition for drilling, have been applied to the perfect of the perfe

How to apply STONE'S Fertilizers

How to apply STONE'S Fertilizers

Fertilizers give but results when mixed thoroughly with the soil. The best method of application is with a wheat drill with fertilizer attachment. Sow mose ro but ways at the rate of not less than 200 pounds over sore. An ordinary mediately after sowing fertilizer. Keep rod ciled to prevent rust.

Fertilizers for grass in the alseened or proper seeding machinery may be recommended to the seed of the s

WM. STONE SONS, LIMITED, WOODSTOCK, ONT.



September

Make the me with rod and g

Take a KOI

Mustrated catalog or by ma

CANADIAN TORC **********

Breeder's Cards under this the rate of \$4.00 a card accepted un-for less than si insertions during

******* TORKSHIRE PIGS. Choice Young Boar Sows of all ages, rig.-H. C. Benfield

FOR SALE—2 Sone Clothilde, from R. C Clyde Fillies and 3 —R. M. Holtby, Ma

HOLSTEINS—Young by Imperial Pauli: nearest dams avera 7 days.—R. W. Wal



Our Cutters a capacity, thor Furnished V Transp

MASSEY-HA Head Offices--Bras Montreal, Moncto Saskatoon, C 913

g Dirt

100

INERY CO.

in the ess g today in half old,

work from alive.

ime, 6,000 pted him. in Canada up in the families in to tell the

of a time-n alarm.

s tall. He ars an inner m for life. Is are easy light. His most wind

inutes stead

he is oiled telling how



Make the most of every trip with rod and gun.

Take a KODAK with you

CANADIAN KODAK CO., LTD. TORONTO, CAN.

nece recessossessesses # Breeder's Directory

Breeder's Directory
Oards under this head inserted at the rate of \$4.00 e. line per year. No eard accepted under two lines nor for less than six months, or 56 linestions during twelve months.

YORESHIRE PIGS, all ages, either sex. Choice Young Boars, fit for service. Also Sows of all ages, bred and heavy with ptg.-H. O. Benfield Woodstock, Ont.

OR SALE—2 Sons of King Fayne Segis Clothilde, from R. O. P. cows. Also three Clyde Fillies and 3 Stallions, Yearlings. —E. M. Holtby, Manohester, Ont.

HOLSTEINS—Young stock for sale. Sired by Imperial Pauline De Kol, whose is nearest dams average 26.20 lbs. butter in 7 days.—R. W. Walker, Utics, Ont.



ENSILAGE CUTTER Our Cutters are noted for great capacity, thorough work, safety and durability.

Furnished With or Without Transport Trucks.

MASSEY-HARRIS CO., Limited Head Offices-TORONTO, CAN.

— Branches at—
Montreal, Moncton, Winnipeg, Regina,
Saskatoon, Calgary, Yorkton,
Edmonton



Recesessessessessesses OUR FARMERS' CLUB

Correspondence Invited

PRINCE EDWARD ISLAND

RING'S CO. P. E. 2.—Iarmaking is all over and a scod crop has
a ripening up a good coulding. Grain
is ripening up a good coulding drain
for good grain. Some early so much so
for good grain. Some early so much so
for good grain. Some early con the
form the standard of the grain
are getting source put and
are grain with seal indigning
the standard our county this week judging
the standard our co

the standing fields of grain. He several real will be a full crops. A report grain will be a full crops. The full control of the full crops and the full crops are in good condition and preparations are in good conditions. The preparation is a preparation of the full crops and the full c

G.A. W.

ONTABILO.

GREY CO. ONT.

ELDING.

FOR CO. ONT.

ELDING.

ELDING.

FOR CO. ONT.

ELDING.

FLANCE.

GREY CO. ONT.

ELDING.

FLANCE.

GREY CO. ONT.

ELDING.

FLANCE.

GREY CO. ONT.

ELDING.

FLANCE.

FLANCE.

FLANCE.

GREY CO. ONT.

ELDING.

FLANCE.

FLANCE.

GREY CO. ONT.

ELDING.

FLANCE.

FLANCE.

GREY CO. ONT.

ELDING.

FLANCE.

FLANCE.

FLANCE.

FLANCE.

GREY CO. ONT.

ELDING.

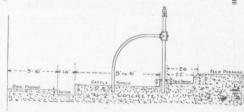
FLANCE.

FLAN

BEATH Sanitary Stable Fixtures

Steel Stalls

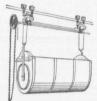
Steel Stanchions Steel Water Troughs



Recommended for Economy, Cleanliness, Strength and Appearance by leading Feeders and Breeders throughout Canada. THOUSANDS IN USE

Stanchions and Steel Stalls need little recommendation to those who have used them or have seen them in use. We cannot tell you the many good points about our equipment in this small space, but will gladly do so on receipt of a card asking for full

Beath Feed and Litter Carriers have for years demonstrated their usefulness among hundreds of Canadian farmers. Let us show you how good our Litter Carriers are and how they will help you in your work. If you are thinking of improving conditions about your Stables write us for full information about Beath Sanitary Stable Fixtures.



No. 17 Litter Carrier winds with endless chain. No dog or brake, rims on flat rail track, easily curved and switched in any direction to suit requirements.



No. 19 Litter Carrier winds with crank. Triple purchase hoist, automatic brake, extra heavy construction. The best that money can buy.

W. D. Beath & Son, Limited

20-30 COOPER AVE.

Toronto

Canada

HOLSTEINS

(18)

OXFORD DISTRICT The Holland of North America

Is the place to buy Holistoins of quality. The Third annual sale will be held in the old you Woodstook on March 25th, 1914. Pull list of breaders in the Oxford District with not office and station addresses sent on application to:

Live Stock Wanted

If you have any Thoroughbred Guerney, Ayrshire or Loistein Heiter Calvesbrood Sows or Sow Pigs for sale—combrood Soys or Sow Pigs for sale—combunicate with R. S. DUDLEY

P.O. Box 176 - Westmount, P.Q.

Lyndale Holsteins

We are now offering Bull Calves from 1 month to 7 months old. All are from official record dams and sired by some of of the greatest bulls in Canada.

Brown Bros., Lyn, Ont.

Ourvilla Holstein Herd Ourvilla Holstein Herd
Bulls of serviceable age all sold, if you want them from here we would
advise you. The service would be a service left sold are by Dutchland
Colonials if the Abbelirk and from 221 and
all 40 months old.
ADBLAW BROS. AYLMER, ONT.

Cloverleaf Holsteins

Herd sire, Sir Segis Count. De Kol. imported, whose sire, De Kol Beets Segis, has 2d daughters has been sire and the sire of t

A. E. SMITH & SON - MILLGROVE Waterdown Sta., C.P.R.

Ridgedale Holsteins

Young Stock for sale, both sexes. Also we or three Young Cows, bred to Im-perial Pauline De Kol. Write or come. R. W. WALKER, UTICA, ONT.

Myrtle, C.P.R., and Manchester, G.T.R. Bell 'Phone.

BULL CALF

Born April 27th, 1913. Dam and Sire's Dam average 30.76 lb. Butter in 7 days. Dam sold for \$2,000; Sire for \$2,500 at Public Auction. Will sell or trade him for Public Auction. Will sell or tra cows coming in in Oct. or Nov.

WILBER C. PROUSE, TILLSONBURG, ONT.

HOLSTEINS

Campbelltown Farm

Offers cheap, for quick sale, one nice Yearling Holstein Bull, a grandson of a 23.50-lb. cow. He will go quick as I have no use for him.

pplication to: RELLY SECT. THIS COURSE OF R. J. Kelly - Tillsonburg, Ont.

LAKESIDE DAIRY AND STOCK FARM Present offering, Bull Calves from Record of Performance

dam; also a few females. W. P. BELL, BRITTANNIA HEIGHTS, ONT Ottawa Bell 'Phone

Lakeview Holsteins

Bull calves only for sale for the pre-sent, sired by Count Hengervoid Fayne De Kol or from his daughters and sired by Dutchland Colantha Bir Mona. Write for extended pedigrees of these bulls, or come to Bronte and see the herd. Visitors always velcome.

E. F. OSLER, BRONTE,O NT.

HOLSTEIN BULLS 2 Bulls, rising 2 yrs., grand-sons of Pontiac Korndyke, and 3 rising 1 yr. old from

Also Bull and Heifer Calves. Females,

all ages. WM. HIGGINSON, INKERMAN, ONT.

BULL CALF

KING FRANCY CANARY—born May HIG FRANCY CAMARY—born May bits, 1911—of section type—traight as an arraw—montly white. His dam and sire s dam verage 39.0 lb. butter in 7 days.

His Sires—Francy Set Calaims—Do & Kol-Missing Company of the Company o

To days.

His Dam's Sire – Broekbank Butter Baron who has 28 R. O. M. Daughters, the highest number of any sire in Canada.

His Dam's Dam's Canada.

His Dam's Canada.

This bull is fit to head any herd.

Price \$100

Write immediately for he will not likely stay

J. ALEX WALLACE Lynn River Stock Farm, Simcoe, Ont

MANOR FARM

Senior Herd Sire, Prince Hengerveld of the Pontiacs, a son of King of the Pontiacs and from a daughter of Pietertje Hengerveld Count De Kol. Junior Herd Sire, King Segis Pontiac Posch, a son of King Segis Pontiac Alcarta (the \$10,000 bull), and from a \$3.61 lb. 3 year old.

We will be glad to mail to anyone extended pedigrees of these Sires.
We are offering a limited number of cows in calf to them for sale. No Heifer Calves for sale at any price

BEDFORD PARK, ONT. GORDON S. GOODERHAM

HET LOO STOCK FARM

Present offering a son of Minnie Landes. Les Chenaux DeKol Burke and Paul DeKol Jr. Blood. Calf sired by a son of King Segis and out of daughter of Paul Beets. Write for price.

HET LOO STOCK FARM, VAUDREUIL, QUE.

GORDON H. MANHARD, Manager Dr. L. de L. HARWOOD, Proprietor

FAIRVIEW FARMS HERD

Sons of PONTIAO KORNDYKE, ready for sarvice in the sear future or younger, sons and daughter of SIR JOHANNA COLONYIL GLADH, whose three industries to be officially and the search of the control of the colony of t NEW YORK HEUVELTON.

E. H. DOLLAR,

Dairy Awards at Toronto

The boys who exhibited their cheese at Toronto this year covered themselves with glory. According to the judges—W. Grey, Stratford J. Bristow, St. Thomas, and L. A. Zufets, Kingston—they showed the best cheese ever exhibited at Toronto, and to beat Toronto records is "going some"; the boys always have their best there. A remarkable point about the awards was the award for highest score,—it went to a June cheese.
In quantity the exhibit, like the make all through the province, was down;
30 cheese short of last year.

30 cheese short of last year.
The grand trophy for highest score, for which makers have contended for many years, has been discontinued.
The trophy had to be won for three consecutive years and hence was really more of a discouragement than an encouragement to exhibit. When it was finally won by Mr. Thompson last year the management decided to substitute a silver cup worth \$25 which should be the property of the winner each year. Mr. B. F. Howes, Atwood, was the fortunate winner this year

this year.

The exhibitors were much the same as in former years. All coming in for the special awards for highest average score are old time winners: Hoves. Atwood: 3, C. J. Donnelly. Scottsville. Other awards were as

Rioves. Akwoolt: a, C. J. Dominis, Scottswille. Other awards were as Scottswille. Other of the State of the Control of the Con

Srown.

August white—I. W. Morse; 2. C. J. DonLelly: A. Geo Enney; 4, J. K. Brown; 5.

I. E. Donnelly, Straffordville: 6, B. 2.

Loues; 7, 10, Flynn, Engey; 2. H. E.

Loues; 1, 2, C. A. Barber, Woodstock.

Cheddar flate—I, C. A. Barber; 2, O. J.

Lounelly; 5, Geo. Woodcock.

THE BUTTER AWARDS

Ontario and Quebec men have long been rivals in the butter classes with the advantage first one way and then the other. This year a third competi-tor appeared—Alberta was in the field and had some right good butter ned and had some right good outcer as the awards show, some very nice prizes going west. Ontario makers owe a debt of gratitude to J. R. Al-monte, of Silverdale, Ont., who re-tained in his province the buttermakers' trophy, the grand prize of them This trophy is valued at \$50 and must be won three times in succe before it becomes the property of the exhibitor. Mr. Almonte has made a good start towards its ownership.

sood start towards its ownership.

The butter exhibit this year was a little larger than hast. Generally the quality was pronounced by the judges of the larger than hast. Generally the quality was pronounced by the judges of the larger than the larger th samples. As usual in both sections

samples. As usual in both sections there were a few poor lots. The awards were as follows: Creamers, solids, salted—I. M. I. Campbell. Red Deer. Alta.; 2. John Anderson. Renfrew 3, P. Pellesen. Calegory, Alta; 4. Creamersy, solids, unsatted—I. J. Almont, Silverdale; 2. T. W. Dunn & Son. Cowarwille, Que; 3, St. Valentine Greamery, St. Valentine, Que. 4. Walkerton.

Creamery, Walkerton, Ont.
Creamery, 1 pound prints—J. W. H. Jack.
Son, Markerville, Altae, 2; W. H. S. Swar,
Frontier, Que,; 3, M. L. Gampbell, Rel
Boer, Alta., 1 B. Dound, Dosse—J. W. H.
Stewart; 2, John Anderson; 3, St. Vales
tine Oreamery, 4, T. W. Dunn & Son.
Tub. not these gram 30 by—4, J. W. Robertaon, Vanheek Hill; 2, Mrs. Althe
Wallace, North Gower; 3, Miss L. H. Greg
ory, Inderton, 4, J. T. Rowand, Walkerton
Toron, Vanheek Hill; 2, Mrs. Althe
W. Robertson; 5, Miss L. B. Gregery; 4
J. A. Dielson, Annan
One-pound prints, no less than 10 be.
Gram of the control of

Holsteins Make Great Showing

(Continued from page 6)
There were a few ragged ends in the female classes, but taken all in all the exhibit this year was the greatest ever seen in Toronto. So much higher was the standard this year that one cow, a comparatively easy first in her class last year, went down to third place this year; and it was not because she was off in condition. The queen of them all was the sen ior and grand champion, Woodland

Queen, a six-year-old cow shown by Hulet. This cow was dry and did not show up to best advantage in that she was not near enough to calving to be well "bagged up." She is one of the lengthiest cows we have ever seen and deep in proportion. The fine quality udder with handfulls of "leather," indicated the proportions to which it might attain later on.
The winner in the class for cows in milk four years old and over was cellent type and great substance as showing to the best advantage. Ner to her stood a cow owned by Ti Wood, a lower set animal, but hard ly as well finished and lacking system as well missed and lacking is substance. Any of the first four wen worthy of a place in best company Space forbids that we make extensive mention of individual entries. Per haps the strongest class of all wer the three-year-old heifers in milk. The winner here was a "tidy, typy beat." Her two nearest rivats were bigge animals, but higher off the ground The cows, three-years-old and The cows, three-years-old and ore, not in milk, showed up to advantag, a fine lot of deep-bodied low down animals. The two year old class brought out 12 entries, strong at the top, but rather weak at the botton, cut up udders being there almost a characteristic and the control of the contro rule. Some were inclined to critical with small teats, especially as then was not much of a margin betwee the first and second placings in other

was not much of a margin between the first and second polacines in either respects. The awards in full follows the second polacines in the respect of the second polacy of the se

Winner, Lakeview Farm, S. Palline, Winner, Lakeview Farm, S. Palline, M. Jacob, S. Marci, S. Mar

(Continued on page 19)

neecesesese MARKE

September 4,

Monday, Soportion of to in, a greater business in business in as a whole, w and hay, which re is little os situation. ingency we have beove a blessing inred to check the mutate and to bring lase speculative basis.
WHE

It is estimated that year produce the lar in her history. If pre the Western yield aloushels, the Eastern y at 25,000,000. The total 90,000 ahead of last year than any previous



A Spe re were 192 Holst. The class of co

heat is coming on the. There has been so, new crop Manitot waxay out of line. who, is not not new crop with the same of the control of the co ur at the same figure go Quotations are: \$\psi_{\psi}\$ (no. 3 C.W., \$\psi_{\psi}\$) (no. 3 C.W., \$\psi_{\psi}\$) (no. 3 C.W., \$\psi_{\psi}\$) (no. 4 C.W., \$\psi_{\psi}\$) (no. 5 C.W., \$\psi_{\psi}\$) (no. 5 C.W., \$\psi_{\psi}\$) (no. 2 Yellow, \$\psi_{\psi}\$) (no. 2 Yellow, \$\psi_{\psi}\$) (no. 5 C.W.) (no. 5 C

MILL FF
The trade in mill fee
reek has been strong
considerable demand
tates. Prices are stea
ent quotations being:

here: here: whorts. \$22.

the quality ers paying at country poin try quotations 18c to 19c per po dressed spring re, 18c to 19c; e turkeys, 18c to FRUIT AND VI

FRUIT AND VI Flums, peaches am-been arriving on the cannities. A few nativing in, but only in si-toss are: Peaches, Nia 60 to 96c; tomatoes, On 6 36c; plums, basket, berries, box, 7c to 96c; I 57s; apples, basket, basket, 25c to 36c; pet

1913.

W. H Jack. H. Stewart, pbell, Red Son. 1, W. H. St. Valez-& Son.

Brussels.

Showing

e 6) ed ends in ken all m was the o. So much

s year that

easy fire it was not

dition.

as the sen-Woodland and did not ge in that to calving She is one have ever tion. The andfulls of proportions

or cows in over was cow of ex

tage.

, but hard-lacking in

lacking in it four were t company, te extensive tries. Per-

of all were n milk. The ypy beast."

he ground

advantage

low down old class re almost a lly as there

full follow:

r in milk-t att: 2 Priva od: 3, Cloth-ok Farm: 4 e: 5. Pot Car-w Farm: 4

in calf, no Queen and Cherrysale Pauline Oci it 3rd's Las.

Tecnic. Monday, Sept. 1.—Now that a fine proportion of the crops have been gibbred in, a greater feeling of optimism the proportion of the crops have been gibbred in, a greater feeling of optimism of the crops have been gibbred in, a greater feeling of optimism of the crops of the control of the crops o

has been paid in the country. Buyers seem to be willing to pay as much as \$50 are not be willing to pay as much as \$50 are not pay as much as \$50 are not pay as \$50 are not pay as \$50 are not pay ar

have considerably read the steem which will considerably read the steem of the first of milk.

Ill.

I

solored at inc.
11/cton, Aug. 21.-1,300 conres.
11/cton, Aug. 21.-1,300 conres.
12/cton, Ont., Aug. 23.-565 boxes of chrese offered. No sales. Bidding from these offered of the conference of the conference of the conference of the price was 25/c. All sold but one price was 25/c. All sold but one

Cowantylle, Que. Aug 24—Thirteen factories offered 66 packager of butter. Butter to tries of the 66 package of butter to the control of the c

Holsteins Make Great Showing

Holsteins Make Great Showing

(Continued from page 18)

Heit (Continued from page 18)

Heit (Annual From page 18)

Herona (Heit (Annual From page 18)

Herona Pieterije, Kettle.

Heitr, innir calf — I. Princes Abbelle (Heitr, innir calf — I. Heitr, innif — I. Heitr, innir calf — I. Heitr, innir calf — I. Heitr, in



Beadquarters for Mare Beasquarters for Mares
I have another busch
of Fure-bred Mares
bought from one of the
best Breeders in the
U.S. They will be
shipped soon. I have
Mares that can win at
any Show. Matched
Patrin Black or Grey.
All Must be Sold in
can't get my price I'll
sell for yours.
F. J. SULLIVAN
F. J. SULLIVAN Il for yours.
J. SULLIVAN
Windsor, Ont.

Fill In This Blank

Farm and Dairy,
Peterboro, Ont.
I will try to secure nine new subscriptions
to sarn a pure bred pig. Please send me
sample copies, receipt forms and order
blanks. P.O.

AYRSHIRES

SUNNYSIDE AYRSHIRES

BUNNYSIDE AYRSHIRES
Imperted and Rome-bred, are of the
choicest breeding of good type and have
been selected for prediction. THREE
Young Bulls dropped this fall, sired by
"Nether Hall Good-time "5-64f—(Imp.),
as well as a few females of various ages,
for sale. Write or come and see.

"Wh.06AN, Howlok Station."

"Those is house."

('Phone in house.)

Burnside Ayrshires

Winners in the show ring and dairy tests. Animals of both sexes, Imported or Ganadian bred, for sale. Long distance 'Phone in house.

R. R. NESS - HOWICK, QUE.

JERSEYS

JERSEYS GOLDEN FERN LAD STRAIN JEHSETS OF HEAVY PRODUCERS
We have for sale 4 Yearling Balls ready
for service; 4 Yearling Heiters; Calves,
both male and female; and females of all

widt our herd (44 cows now milking).
Write us about Jerseys you want.
D. DITNCAN. - BON P.O., ONT.

HOLSTEINS RIVERVIEW HERD

9 Young Bulls, from " to 12 months, aired by King Isabella Walker, whose sister, 8 nearest officially tested dams, a sister of his dam and two sisters of his far aveage for the sight 30.4 lbs. from R. O. M. and E. O. P. dams.
P. J. Sallety, LACHINE RAPIDS, QUE.

SCHOOL

=AGRICULTURE=

By Milo N. Wood A book prepared primarily for schools, but valuable to any one desiring to ob-tain a general knowledge of elementary agriculture.

rania agriculture.

Table of contents following will serve to give some ideal of the arrangement, scope, completeness and general character of the work.

The Plant of Germinas VI. The Plant VII. Propagation of Plants VIII. Propagation of Plants VIII. Plant Element VIII. Propagation of Plants VIII. Property of VIII. State of VIII.



A Spec men Class of Holstein Females at Toronto

here were 192 Holsteins exhibited at Toronto this year, and the quality of the st. The class of cows illustrated herewith will give an idea of the keen com-petition characteristic of every section.—Photo by an editor of Farm and Dairy.

si; shorte, \$25; middlinge, \$20.

The Feeds AND POLITER had its feel recent cool weather has had its feel recent cool weather has had its feel recent cool weather has had been asked in proved also and wholesslers are acted in proved also and wholesslers are larger lands, latest quotations being; where the provides are public, fee to its, There has also been an increased demand at Monti-sol, dealers paying from 10 to 55%, and the seconds and spaying from 10 to 55% to 10 to 10

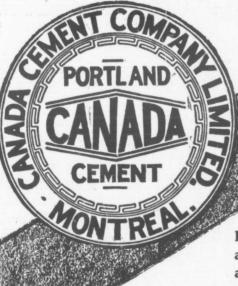
FRUIT AND VEGITABLES

The season of consistency of the season of the sea

There were 32 Robiteline exhibited at Toronto this year, and the quality of the set. The class open some position characteristic of every set alone of the work of

7e 19)

See that every bag of cement you buy bears this label. It is your guarantee of satisfaction





Write for a free copy of this book

For a farmer's silo, a country road, or a railroad bridge

CANADA Portland CEMENT

Can be depended upon to make concrete that will last for generations. There is only one grade—the best that science and skill can make, and we have reduced the price of "Canada" Cement until it is within your reach for practically every purpose.

Canada Cement Company Limited
Montreal

There is a Canada Cement dealer in your neighborhood—if you do not know him, ask us for his name