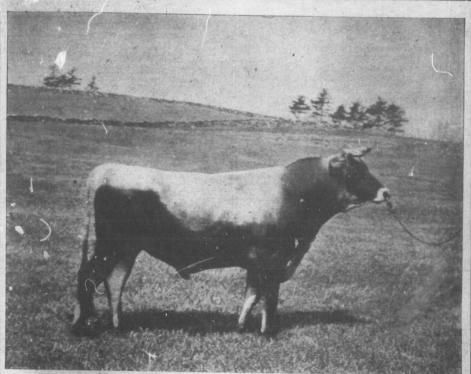
# FARM AND DAIRY RURAL HOME



BETTER FARMING

Toronto, Ont., October 10 minos





TEMISIA'S OWL'S ROGUE, CHAMPION OVER ALL BREEDS AT THE VANCOUVER EXHIBITION.

Owned by the University of British Columbia. (See page 7.)

What Physicians Know About Butter It is Necessary for Growing Children. (Page 3.)

A Visit With Peter Smith of Stratford
Tom Alfalfa Reports on Doings at "Clover Bar." (P. 5.)

Cooperative Live Stock Shipping
It is already an Approved Success. (Page 4.)

Canada's First Community Breeding Centre
The Kelowna Holstein Breeders' Association. (Page 4.)

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Above all we want you to feel that to the company behind the machine, business means not merely goods sold, but custom-

There are reasons why you should buy the Underwood. United Typewriter Company, Limited, 135 Victoria St., Toronto Farm and Dairy's Seed Competition

ISITORS at several of the fall fairs in Eastern Cutario have alspecting the results of the seed and vegetable competition conducted by Farm and Dairy. The exhibit was one of the features of the Peterboro fair and a much appreciated attraction of the fairs at Picton and Kingston. The entries were not as numerous as we had hoped, nor, in a few cases, was the quality all that could be desired. As this was the first competition of the kind ever conducted in Canada, however, it was not to be expected however, it was not to be expected that exhibits would be as numerous as at the regular seed fairs. Many Farm and Dairy readers, who have had an opportunity of seeing the ex-hibits at these local fairs, were sur-prised at its extent and intimated their intention of exhibiting another their intention of exhibiting another year if the competition were made an annual affair. The exhibits were judged by G. H. McNeely, a profes-sional seedsman with a wide experience in judging seed and vegetable ex-hibits under the auspices of the De-partment of Agriculture. In some classes Mr. McNeely found as good samples of seed as he had ever seen. while in other classes, following government standards, he was unable to award first and in some cases evan second and third prizes for the exhibita

Special mention might be made of the wheat classes. The fall wheat which won first place, weighed 63% lbs. to the bushel. Fred Cable of For est had Marquis spring wheat which weighed 66 lbs. to the bushel. Even the fourth prize Marquis weighed 64 % lbs. to the bushel. Abundance oats weighed up to 45½ lbs. to the bushel. The alsike specimens that were sub-mitted were of extra good quality, but the timothy did not grade as well. It was probably a little too early in the season for corn to show to advantage and there was only one entry worthy of a placing. Awards in full were as

follows:
Pall wheat: 1, Jacob Lerch, Preston:
Pall wheat: 1, Jacob Lerch, Preston:
Prof. Cable, Forest: 3, Geo Erwin,
String Wheat: 1, Fred Cable, 2, H. Matthews, Putnam; 3, A. Hunphries, Hastings: 4, J. S. Moore, Bellamys.
White oats: 1, Midmay; Modellamys.
Midmay; 2, F. G. Hung, Show,
Midmay; 3, F. G. Chalmers, Smith's
Jacob Lerch; 4, H. G. Chalmers, Smith's

acob Lerchi; 8, st. C. Chaimers, smith's Falis; 1, Jacob Lerch; 2, Adam Hum-hries; 3, Mildmay, Spring Show; 4, Jen. H. Ketcheson, Belleville, Rye; 3, A. Humphries; 4, Jas. R. Can-am, Avonnore.

Beana Chaimers, Smith's Falis; 3, J. E. hiff and Son, Bloomfield; 4, Jacob arch.

Clover seed: 1, J. E. Huff and Son: 2, H. Earl, Ida; 3, Daniel Grough, Ennisn. Estr. 1087, J. Dantel Grough, Bonnisnore.

Alske: 1, Vvan Roth, Fisherville; 2,
Mrs. Jas. N. All Carborn,
Mrs. Jas. N. All Carborn,
J. A. Est. Midmay Spring Show; 3,
J. A. Est. Midmay Spring Show; 3,
J. A. Est. Midmay Spring Show; 3,
J. A. Est. Midmay Spring Show; 1,
J. A. Est. Midmay Spring Spri

borough. Turnips: 4, Jacob Lerch

The Charlottetown Exhibition

THE Charlottetown Exhibition opened under unfavorable cir-cumstances. The first two days were wet and stormy. The farmers could not get away on account of a belated harvest, and the railway fares were this year more than double that of former years. The two last days of the fair were good and pleasant, and there was a large attendance of and there was a large attendance of visitors from the adjoining provinces of Nova Scotia and New Brunswick, chiefly on account of the five days trotting meet during the Exhibition. The Exhibition tended more the form

however. The Exhibition Association however. The Exhibition Association got no grant as usual from the provincial government. The grant was refused. "on account of the war," hich is an excuse for a great many things. The Association, however, nothing daunted, determined to have the annual fair anyway. They asked the annual fair anyway. They asked for private assistance, and they got considerable from the Provincial Merchants' Association, from the city Merchants' Association, roll the clyo of Charlottetown, and a small grant from the Live Stock Branch of the Dominion Department of Agriculture. These aids, with their own money and enterprise, waranted them in holding the Exhibition, open to all Canada. If, trotting, it was to furnish the sinews of war to meet the expenses of hold. ing a great Dominion wide agricultural fair.

Last year the total exhibits num-bered 4,391. This year, owing to the many setbacks the farmers have exmany setbacks the tarmers have experienced in the way of unfavorable weather, it was not to be expected that a great showing would be made. They did far better than expected, however, for the total number of expected, however, for the total number of expected. hibits this year was 3,711, the third highest in the history of the associanignest in the history of the association, which reflects great credit on the farmers, seeing that the price had necessarily to be much lower than for past years. There was a slight falling off in the horse entries but those shown were of superior quality. There was a decided falling off in cattle, there being about one hundred less than last year, in sheep, swine and poultry the entries sheep, swine and poultry the entrea were practically on a par with other years, both in quantity and quality. Roots and vegetables showed a slight decrease and though an off year in decrease and though an out year in fruit the entries were but 130 less than last year, which was an excep-tionally good fruit year. The dairy products were somewhat superior to products were somewhat superior is last year. The judges in live steek were: Horseo, Dr. Sinclair, Cansing-ton, Out., and J. M. McCallun, O-tawa; beef cattle: Prof. Geo. Day, Guelph; dairy cattle: B. A. Bul, Brampfon, Out.; sheep: J. B. Bria, Bridgewater, N.S. This year and 1917 were as follows:

ere as follows:		
	1917.	1918.
Horses	256	216
Cattle		398
Sheep	390	375
Swine	207	175
Poultry	480	492
Roots and Vegets.	483	417
Fruits		420
Dairy Products	110	114
Grain and Seeds	95	82
Plants and Flowers	207	205
Miscellaneous	230	196

### Milk Price News

ILK dealers in the town of Chanham, Ont., have jumped the price of milk to the consumers 2 cents a quart, making the price 14 cents. The producers, according to a press despatch, have now gone on strike, saying that they must get more than 5½ cents a quart, or they will not supply milk to the retailers. The

price mentioned is paid at the farm.

Woodstock, situated at the heart of one of the greatest dairy districts in Canada, has always gotten its milk cheaply. The price of milk was recently advanced to 12 cents a quart, or nine quarts for a dollar if paid in advance. The former price was is cents a quart. The largest distribu-ing company in the city of Woodstock is owned cooperatively by a number of large producers.

A Hamilton paper reports that the Wentworth Milk Producers' Associa tion, which had planned to demand an advance for winter milk. similar to that at first demanded by the Toronto Producers' Association, has now determined to be gontent with summer prices following on the action of the Toronto Association, which because of the large fall milk flow has rescheed its previous order for an advance to \$2.80 per eight-gallon can delivered



Trade Increases the

VOL XXXVII

TAKE it there are ti production of milk. feeding of the oow. It eets It is not the cow Now, it is important to a man who has stored knowledge that he has the proper handling of mind about the man, g mind about the man, g the ones in the barn at I will get the milk no a cow before or not. You her in six months or mi duce half as much as s man who bandles the an ledge and that is where I somewher a man w

driving a stage coach.

man would get mad an

and would keep them in they were never able to ever satisfied. It work with a cow. The man time the cow does not with the stool, is not go

I used to wonder wh who drove the stage coaster and used to say to good for nothing. How tunity we found a pla running a gastoline eng the engine did not work no good for him to b no good for him to be could not make anythin mad at the engine so be and used his brains. have a man who cannot emper, give him a tri

We have the man fir second and then the fi-her. These are the th ant things. Grade Cows Advi

Let us consider the or breeding. You might bred cow that would market at from \$400 t this is not the kind of want to give best resu een many men ambit into the breeding of puthis advice. One or tw had the experience, ha biltion can make a succ this province the greate herds will be made by and in buying a pure-br to study up his ancestred simply because they are count of their record.

It is the work of the up a herd which will pr grade herds of the pro females, unless I recog ability to go ahead wit which case I am glad to we can do for Nova Scot to be found and sell the

Mention Farm and Dairy when Writing of a horse-racing meet than an agri-

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and quality. J. B. Brien, ear and 1917

jumped the the price 14 ecording to a oust get more etailers. T y districts in price was 18 gost distribut-of Woodstock by a number

with summer can delivered

to demand an lk. similar to y the Toronto which because w has rescind-or an advance





We Welcome Practical Progressive Idea

The Recognized Exponent of Pairving in Canada

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

VOL XXXVII

TORONTO, ONT., OCTOBER 10, 1918.

NO. 41.

# Three Factors That Make Dairying a Success'

A. Defined by Professor J. M. Trueman, of Nova Scotia Agricultural College

TAKE it there are three things necessary for the production of milk. You may be surprised at the one I put first. It is not the cow, it is not the feeding of the cow. It is not the feed which the cow eats. It is not the cow herself. It is the dairyman. Now, it is important to have a man who thinks and Now, it is important to have a man who thinks and a man who has stored away in the ceids of his brain knowledge that he has built up by years of work in the proper handling of cows. You may say, never misst about the man, give us some great cows like the ones in the barn at the Agricultural College and I will get the milk no matter whether I ever saw a cow before on ort. You will ruth her in set months or milk her so that she won't proher in the property of man who handles the animal who must have the know ledge and that is where we come back to every time.

seege and that is where we come back to every time.

I remember a man whom I once knew who was
driving a stage coach. About every other day that
man would get mad and give the horses a licking
and would keep them in a nervous condition so that

and would keep cleen in a newvous condition so that they were never able to do the work and nobody was ever satisfied. It works the same with a cow. The man who, every time the cow does not do just as he wishes, remonstrates with her with the stool, is not going to make

I used to wonder what the man who drove the stage coach was good who have the stage coach was good for and used to say that he was good for nothing. However, even-tually we found a place for him, running a gasolime engine. When the engine did not work right, it was no good for him to beat it. He could not make anything by getting mad at the engine so he kept cool and used his brains. So if you have a man who cannot keep his temper, give him a tractor.

We have the man first, the cow second and then the feed to give her. These are the three important things.

Grade Cows Advisable, Grade Cows Advisable.
Let us consider the cow as to her breeding. You might get a purebred cow that would sell on the market at from \$400 to \$500, but this is not the kind of cow you want to give best results. I have seen many men ambitious to get

to the breeding of pure breds. I would not give this advice. One or two here and there who have had the experience, have the capital and the ambillion can make a success of pure breds to furnish the foundation stock to use with a grade herd. In this province the greatest improvement in the dairy herds will be made by the use of pure-bred sires, and in buying a pure-bred sire care should be taken to study up his ancestry. Too many bulls are sold simply because they are pure-breds and not on account of their record.

count of their record.

It is the work of the Agricultural College to build up a bert which will provide pure-bred sires for the grade head of the province. You will never get any sympathy from me if you come to buy pure-bred business, unless I recognize shall the man has the challenge of the province of the man has the state of the state of

all over the country. This is the work which the

all over the country. This is the work which the best breeders of pure-breeds are doing.

These bulls should be taken good care of and be "seed for a number of years. A man told me today that he had to sell his Ayrshire bull, because he was 2 stifing cross, and he was only three years old. If he was a good bull, he was just throwing him away as far as breeding was concerned.

as far as breeding was concerned.

If you get a good buil and breed to grade cows, the next generation will be more than half as good again as their dams. In the second generation you will use the same buil on the 50 per cent heifer, this generation will be 75 per cost pure. The next time you may use another buil just as good, preferably bred along the same in the man embeavor to got a definite strasin of blood introduced size your country. In this way to be seen the concerned to the contract of the contr In this way you will get the progeny 87 per cent

pure.

So by buying a bull of the right kind and using him
on these grade cows and keeping this up for five
generations, which means 10 or 12 years' work, you
have your herd 96 7-8 per cent of the right blood.

What Physicians Know About Butter

By E. W. SIMMONS

to find enough to go around and we have

I do not want you to think I am opposed to the I do not want you to think I am opposed to the right man going into the breeding of pure-bred cattle, but I will say that the general farmer who is pro-ducing milk is better off with this kind of stock than he is to try to breed pure stock. Even if they do soid at a high price there is mobling in it in the money way and you had better leave it for the men who have due, adulty, capital and a chance to keep nosted on tt

We would soon crowd out the breeder who was not We would soon crowd out the breeder who was not giving us the best of stock if we did not kill the buils off so much. A man came to me to-right and told me the experience his ecclety had had. First they bought a good buil which gave them good results: then they bought a poorer buil and he was not satisfactory; then they bought another and he was not satisfactory. Now they have come to the conclusion that they must go back to a good breeder and put more real money into a buil.

### The Feeding of Cows.

I will just take time to very briefly impress upon you some facts in regard to the feeding of cows.

Just to keep a 1,000-lb. cow for one year, just to maintain her so one year, just to maintain ner so she whil do her work, just to pump the blood, just to keep her warm and enable her to move around would take 255 lbs. of protein and 2,892 lbs. of total nutrients. In order to produce 8,000 lbs. of four per cent milk, she will require 520 per cent milk, she will require 520 bs. more of protein and 2,800 bs. of nutrient. This will be supplied by 4,320 bs. hay, 5,330 bs. turnips, 423 bs. of bran, 428 bs. middlings, 214 bs. costs, 428 bs. cotton seed and five months' pasture. If you were to figure the cost of feed, it would be as follows:-

13.37
8.56
10.70
6.42
12.84
10.00

Stick to One Breed.

THE other day I stopped a local physician on the street and said to him. "Doe, what do you know about butter?" he replied. "I had children in three different families under my care who were not doing well. Nothing specific was the matter with them, but they were not doing well. Nothing specific was the matter with them, but they were controlled to the parents of the present of the presents of the other children to child previously had been eating butter substitutes, and i decided that the butter and milk caused the improvement. I then told the parents of the other children to other case I found they had been using butter substitutes also. You cought to have seen those kids two weeks later."

At the Wisconsin Dallyment's Association last winter, I heard Miss Amery, of the present of the pre

In too many instances the breed is shifted. If you in too many instances the breed as shared. If you have been growthing on the Hobstein and change to the Shorthorn you break down the work you have been doing. This is the story. I might taik here for a week and give locture after secture but I cannot tell

stories, and is also shown in some state between the cannot tend to control the control tend to cannot can

When you give her 775 Ms. of protein and 5,692 be of nutrient, you must remember that you have to feed her 225 bbs. protein and 2,892 bbs. nutrient

to just keep her alive.
You will have to add for expenses \$60. Do not think that all it costs to keep a cow is to feed her. We have to add to that the labor which is equal to \$40 anyway, and then there are the various items, taxes, insurance, veterinary attention, bull service, etc., which will make a total of not less than \$60. The cost of keeping a cow is, therefore, \$150. If she gives 320 lbs. butter fat at 40c, the returns are only gives 330 lbs, butter fat at 40c, the returns are only \$128\$. Add to this ekin-milk, manure and calf and there will be a small profit. I would call your attention to the fact that it takes see much for the actual maintenance of a cow giving 4,000 lbs. as for a cow giving 5,000 lbs. This would be a good thing to impress upon your patrons' minds. Make them understand that a cow giving 5,000 lbs. milk costs as much to maintain as a cow giving 5,000 lbs. It costs so much to maintain as a cow giving 5,000 lbs. It costs so much to maintain an ordinary cow, that you cannot possibly make anything out of her.

(Continued on page 10.)

"An address to the cheesemakers and creamery men



A Dairymen's Pionic at which the First Real Community Breeding Centre in Canada was Initiated. To the farmers of Kelowna, B. C., belongs the hanor of cooperating to auch good effect that they have agreed to specialize in one breed cattle, the Holstein. The story of this organization is told in an article below. The Kelowna breeders are pioneers in what may become a great movement.

# Ship Live Stock Cooperatively

It is Already an Approved Success

OR many years the packers and their representatives the local drovers, Lave succeeded in the such a cloak of mystery around the process hipping live stock to market, that hipping live stock to market, the hipping live stock to market, the hipping live stock to market, the representable believed that the stock to market, the most difficult phases of cooperative and the most difficult phases of cooperative and the most difficult phases of cooperative and completely market the control of the most difficult phases of cooperative and compact the control of the such control of the such as the Calgary and Edmonton.

Calgary and Edmonton.

In Ontario, so far as I am aware, the Minto Farmiers' club in Hastings County, was the first one to make the shipment of live stock; adefinite and important part of its operations. At first Mr. Houver, who was in charge of this branch of the club's work, could not get quotations at all from the packers. They always referred him to the local drovers. The club persisted, however, and it was not long before the packers were 'phoning quotations to Mr. Hoover et their own expense. Since then numerous clubs all the packers were 'phoning quotations to Mr. Hover et their own expense. Since then, numerous clubs all over-the province of Ontario and several in quebec, have started to ship live stock. Many of these clubs have been shipping swine only. The drovers have still managed to becloud the business so far as caus sere concerned. There are enough clubs, hover, shipping cattle regularly to prove the value of this cooperative enterprise. There is a strong demand for a unfilled control of cooperative shipment (Company, Limited, is purchasing a seat on the exchange at West Toronto, will hire an experience man to make sales for the local clubs at the exchange and single ship of the control and the substitution of the cooperative shipments. Mr. Gordon of the Cooperation of the Schange and also will soon be in a position to assist local clubs in organizing for live stock shipments. Mr. Gordon of the Cooperation and Markets Branch, clubs in organizing for live stock shipments. Mr. Gordon of the Cooperation and Markets Branch. Toronto, is also ready to assist clubs in cooperative shipping. Just how the system works at the country end is best fluestrated by the experience of a couple of clubs that have already achieved success.

### Experience of Clarksburg Club.

Experience of Clarksdury duck.

The club at Clarksdury in Grey County, for inistance, has been shipping live stock cooperatively
since May, 1915. At first many were sceptical as to
results, but this enterprise is now past the experimental stage. Since the first of October, 1917, which
is the beginning of the club's financial year, they
have shipped 64 car loads of live stock which sevehave shipped 64 car loads of live stock which seveaged somewhat over \$3,900 per car. The process aged somewhat over \$3,000 per car. The process of marketing is described by one of the officials of the club as follows:

"We have a live stock committee whose duty it is to load all stock at shipping points and it is c signed to a commission merchant at Toronto. The signed to a commission merchant at Toronto. The committee in charge receive for their services seven dollars per car and personal expenses. All cattle are marked with Roman numerals and a record of same kept, thereby assuring that each individual's cattle are sold on their own merit. Hogs are weighed at point of shipment. Shrink and expenses are proportioned at so much per hog. Sheep and lambs are slow weighed at point of shipment and sold collective with the service of the service

emple reserves for any losses that have occurred. Each individual's check is sent to the bank with a statement attached thereto."

This system must be quite satisfactory as the business of this club is constantly discreasing and the official in question expresses the hope that starle as the waters do the sea." Another Grey County club, that at Meaford, although not operating for so long a period of time as the Charlesburg club, has been meeting with a large measure of success. His is the Rocklyn Farmers Club and its secretary, Mr. W. J. Davies, write us of its operations as follows:

### A \$225,000 Business.

"Our club was organized last November, and is really only young yet. The staff is composed of a president, vice-president, secretary-treasurer, five directors and two selement. The latter go down to Toronto with the stock alternately, every week. The proceeds of the live stock are sent back to the bank in Meaford to the secretary-treasurer, who makes out the different cheques. Each farmer that ships each week bears the freight and expenses of that



Maggie of Darroch, a Spiendid Type of Milch Cow. the was first in the milk class and senior and grand champion Ayrshire femnic at the work of the milk class and senior and grand champion Ayrshire shapelless. It was good and showed capacity. Includes all the interest of the was good and showed capacity. Includes all the interest of the processor, ont, has shown on the larger fair eliquit.—Phot by an editor of Farm and Dalry.

particular week. We ship every week and have an average of two cars a week. The satesmen get \$5.50 a car searry, plus their expenses. The secretary-treasurer gets \$1.50 a car for figuring it up. He also gets \$1.00 a year for attending to the books and buying in other supplies for the club and looking after the distribution of it. I might say we have sold about \$225,000 worth of live stock since last November.

November.

"We have now a membership of about 300, which is always increasing, as when any farmer ships, \$1 is retained as membership fee. (The fee is \$1 percar.) We hisure our own stock from loss. The club retains five cents a head on floss and sheep and 15 cents on cattle, which is used to insure crippled pigs or animals, which are hurt on the way. Our shipping point is Meaford."

The cooperative shipment of live stock is a movement that is only now sotting well started in Ontario. No other branch of cooperative enterprise, however, has grown more rapidly.

has grown more rapidly.

# First Community Breeding Centre

The Kelowna Holstein Freeders' Association

THE SUMME TOUSCHIE ACCURET ASSUMED.

HE SUMMY OKANAGAY VAILEY IN British Columbia is known throughout the length of Canada for its ideal climate, its splended scenery, its wonderful fruit. Those who have visited the region is ways remember its various towns leep as of their hospitable progressive citizenship. Froughout Canada, Kelowan, the central city of this favored valley, and the progressive citizenship. The confidence of the control in progressive in the control in the confidence of the control in the cont ada, Kelowna, the central city of this rayored valley, shall hereafter be known as the first section in Canada, where an entire community has organized an association for the breeding of one breed of dairy

cattle.

Not satisfied with their achievements with fruit and having proved for themselves that the incorporation of live stock in their farming is both need to the stock in their farming is both need to the stock in their farming is both need to the stock in the s munity support it.

At first the cattle wer; of all kinds and all quali At first the cattle wer of all kinds and all quali-ties. Pure-bred sizes were introduced, the different breads were fairly tried and from several year's experience and a study of the dairy industry ami-jority of the people became thoroughly possessed of the idea that only good animals of good breeding

At a meeting in March of 1918, about 30 farmers were present to discuss the question of the entire community breeding only one kind of cattle. The meeting was thoroughly alive and harmoniously enmeeting was thoroughly alive and harmoniously en-thushastic in regard to the principle, but showed some diversity of opinion upon the subject of which breed should be followed. The Holstein-Priessle strongly in favor. There were a few men who hear the open ranges and so liked Shorthorn-seys and once held sway in the Valley and still had their lovers; Red Polls and Arrahires both and adherents. Decision on the question was postposed until all had time to obthic the matter out, for all felt that no issue should be forced. felt that no issue should be forced.

Holsteins Agreed Upon

At the annual district Dairymen's Field Day, held late in June, the business was again prosecuted and finally put into form for action. The ommunity agreed to breed Holsteins and to do every thing in its power to further the interests of Holstein cat-They agreed to cooperate in the purchase and use of pure-bred sires. Twelve of the leading farmers banded together to purchase a num ber of pure-bred Holstein fe-males, looking toward the day when there should be nothing but pure-bred Holstein herds in the entire district. Profes-sor J. A. McLean, of the University of British Columbia, in assisting this work, under gether the pure-bred animals desired. Already 16 pure-bred Holstein females of milking age, have been purchased and delivered to the various men bers of the association. stock purchased has all been carefully selected for superior-

breeding; it was obtained from the best herds in the Province and gives a foundation to the Kelowa herds that represents years of careful breeding by such men as J. M. Steves, Frank Bishop, Wm. Pater.

such men as J. M. Stevee, Frank Bishop, Win, Patricon and other equally well-known breeders.

The following men were the purchasers of thes purched emales:—A. W. Cook, J. Murray, M. Hershon, J. Day, L. E. Taylor, A. Creighton, S. Price, W. Coventry, E. M. Carruthers and Win Spall. They are the leading men of Kelowina. They are the use are the leading men of Kelowina. who have undertaken to give form to a splendid ideal and from their work will be built herds of Holstein that will bring buyers from all parts of the land.

A recruit, on night guard duty for the first time, observed a shadowy form approaching. Following

observed a Single wy form approximate. Following instructions, he cried: "Halt! Who goes there?"
"Shut up!" a husky voice replied. "I ain't going: I'm coming back."

FEW weeks ago t of Farm and Da enough to his special Exhibition I tew paragraphs that I w about the home generating plant on the farm of triend. W. W. Ballar friend, W. W. Ballar Stratford. Incidentally letter, I made mention of or of the Ballantynes, Smith, who also has a ho ing plant,—clso a fine put it in, a fine farm an of Holstein cattle that nized as one of the best County. As Mr. Smith a couple of miles up from Neidpath Farm, M tyne and I took a run thim,—my host for a nevisit and I to renew old anceship.

October 10, 1918.

Mr. Smith is big, jolly able. He takes a great in all the duties that go citizenship and has ser public capacity in his l high hopes for the Uni a new branch of the program of an old one. organization work is alt tion for Holstein cattle that time, not so far in t have their own repres County were to pick P Mr. Ballantyne whisper this effect, while other Smith and I, however, to

other subjects of mutual Perth is one of the reof Western Ontario. I ha and have seen the most world-from our Ford ca has its full share of good Smith has 150 acres of it is. It is all free of bus a heavy to a medium bout in big fields and is w an ideal tractor farm, Smith still sticks to hor his mind and bought a with him. The farm is stead, which the present from the bush. I certs Smith's judgment in soil

The Mo One of the best featur aside from those with v his very modern barn. rebuilt from two old ba of remodelling. The wo a basement under the e moved another barn 40



This Barn w he main barn is 100 by 4 shting and the cupolas, care and makes the old ba

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Twelve of ters banded tase a num-Holstein fe-rard the day i be nothing date in herds

rict. Profes-, of the Uni-h Columbia, work, under-nd bring toored animals 16 pure-bred urchased and various memciation. The

the Kelowna o, Wm. Pater-eders. ray, M. Here, S. Price, W. Spall. They r are the men splendid ideal s of Holstein f the land.

# A Visit With Peter Smith of Stratford

His Farm-His Farming-His Buildings and His Stock: As Seen by Tom Alfalfa

FEW weeks ago the editor of Farm and Dairy was good enough to place in his special Exhibition Number a few paragraphs that I wrote him few paragraphs "nat I wrote him about the home generating light-ing plant on the farm of our old friend, W. W. Ballantyne of Stratford. Incidentally, in that letter, I made mention of a neighhor of the Ballantynes, Mr. Peter Smith, who also has a home lighting plant,—.lso a fine home to put it in, a fine farm and a herd put it in, a the tarm and a nerd of Holstein cattle that is recog-nized as one of the best in Perth County. As Mr. Smith lives just a couple of miles up the road from Neidpath Farm, Mr. Ballantyne and I took a run up to see him,—my host for a neighborly visit and I to renew old acquaint-

Mr. Smith is big, jolly and lik

risit and I to renew old acquaintanceship.

Mr. Smith is big, jolly and likable. He takes a great interest
in all the duties that go with his
ettieschip and has served in a
public capacity in his home county. He entertains
high hopes great his home county. He entertains
high hopes great his home county. He entertains
high hopes great his home county in organicaserve branch of the U.F.O. or contribution of the
program of an old one. His enthusiasam for farmers'
organization work is almost as great as his admiration for Holstein cattle and quite as contagious. In
that time, not so far in the future, when farmers will
have their own representatives in Parliament, I
would not be surprised if the farmers of Perth
County were to pick Peter Smit's and clothe him
with the honors of an M.P. or an M.P.P. In fact,
Mr. Ballantyne whispered something in my ear to
this effect, while others proclaimed it aloud. Mr.
Smith and I, however, talked about cows, crops and
other subjects of mutual interest.

Perth is one of the real good arricultural counties
of Western Ontario. I have always admired the great
and have seen-the most of it in the naverferon our Ford car. I have found that Perth
has its full share of good agricultural and and Peter
Smith has 150 acres of it that is as good land as there
is. It is all free of bush and the soil varies from
a heavy to a medium heavy clay loam. It is laid
out in big fields and is what one would call nowadays
an ideal tractor farm, although, like myself, Mr.
Smith still disks, to horses, working them in three
and four-horse teams; that is, unless he has changed
his mind and bought a tractor since I was talking
with him. The farm is the original Smith homestead, which the present owner's grandfather chopped
from the bush. I certainly commend Grandfather
Smith's longment in soil.

One of the best features of Friend Smith's farm,

Smith's judgment in soil.

The Modern Barn.

One of the best features of Friend Smith's farm, saide from those with which nature endowed it, is his very modern barn. The fact that this barn was rebuilt from two old barns shows the possibilities of remobelling. The work was done in 1915. The of remobelling. The work was done in 1915. The absence in under the entire girt of feet which with more another barn 40 feet square up against one



Francy 3rds Hartog 2nd, the Herd Sire at Clover Bar Farm.

corner of the larger barn and put a foundation under it. The big stable, therefore, has a cow barn 100 x 40 feet, and horse stable and box stable 40 feet square. There are tie-ups for 42 head, arranged in two long rows in the main barn. In addition to the two rows of cattle, there is room along one side for box stables for suckling calves. The rest of the calves are accommoded in the new calf barn close at hand.

In addition the new calf barn close at hand.

In the first commoder arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements. I like to see work done the interior arrangements are like to see work done the interior arrangements and the stable is a see a see

a stable as they have in the new lairy barn at Guelp., which I can wist frequently as that institution is only sixteen miles from home. Equipment such as this, however, demands considerable cash. There are 4wo other features of the Smith stable that might very well be duplicated everywhere. The lighting is of the best. Between one-third and one-half of the linear wall length in mixture of the wind the windown glass and the windown glass and the windown parts is in window glass and the windows are not those little shallow so she stuck up against the ceiling either. The bottoms are just high enough above the floor that there is no danger of the cattle backing into them or sticking

backing into them or sticking their heads through and on the celling. The smaller sash at the top is on hinges, swinging downwards and inwards. These sashes permit the regulation of the flow of fresh air into the stable. In the centre of the stable in the centre of the stable in the regulation of the stable in the centre of the stable in the centre of the stable in the centre of the stable in the morning when you open the door," remarked. Mr. Smith, and he further assured me that the stable walls, which are of stone plastered over smoothly with cement, are always dry. These walls are whitewashed as frequently as appearances demand, the celling is of matched lumber and painted.



Minnie Paladin Wayne, a Good Three-year-old. She has an R. O. M. test of 28.84 hs. of butter in 7 days as a three-year-old. As related by Tom Alfalfa, in the article adjoining, Mr. Smith purchased the grandmother of this cow for \$23 many years ago.

Outside the barn is painted red and with a big cement silo at one corner presents a properly imposing ap-

Outside the earn is painted red and with a dig cement; silo at one corner presents a properly imposing appearance.

The Dairy Herd.

"We have always been dairymen on this farm to quite a considerable extent," and Mr. Smith, when I asked him about his herd. "We started out with Holstein grades about 30 years ago. It is about 25 years since we bought our first pure breds. We didn't put any value on pure breds then and many at time we thought of giving up registering the off-spring, but some way or other we held on and now we are mightly glad we did."

I could understand Mr. Smith's satisfaction with the could understand Mr. Smith's satisfaction with the could understand Mr. Smith's and the strength of the could understand and the supplied of the could understand and the week ago as a public of the could understand and the word are many such herds over Ontario and it would have been a shame if the Smith herd had been added to the list. Mr. Smith told me that he bought his wars a good one. In fact, she is grand-dam of a young own now in the herd. Minnie Paladim Wayne, with a Record of Merit test of 28.34 lbs of butter in seven days in her three-year-old form.

The milking herd had just then come to the barn-days in her three-year-old form.

The milking herd had just then come to have been days in her three-year-old form.

The milking herd had just then come to the barn-days in the three-year-old form.

The milking herd had just then come to the barn-days in the pasture and I had a chance to look them over a funder of the pasture and in the corner of the milking herd had been neglected in a subject to the pasture and I had a chance to look them over a funder of the pasture of the



This Barn with its Up-to-date Stabling is the Result of Remodelling Old Barns. The main barn is 100 by 40 feet; the ell, which was an old barn moved up, is 40 x 40. Notice the provision for lighting and the cupolas, connected with shafts to the stable, for ventilation. A coat of paint adds to the appearance and makes the old barn look like new. On the farm of Peter Smith, Peth Co., Ont. All photos courtesy of Mr. Smith.

the first time, g. Following

'I ain't going:

H. Percy Blanchard.

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It was in Cape Bre ago. There was a m him Mr. K., who had tract" and did a little

He kept half a dozen ate a lot of oats. Mr

of superior intelligence a real genius. Whe

a real genius. Whe

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eral sashes of glass l and allowed the sun h

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that delivered the goo tically no cost for me to Mr. K.'s hen Orangedale, C.B., 30 y

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Rogue 152914, who he

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# Accredited Herds in the United States

One Method by Which Assistance is Rendered to Dairy Cattle Breeders Who Wish to Keep Their Herds Free From Tuberculosis

FEW years ago the great dairy State of Wisconsin established what is known as its Accredited what is known as its accreated Herd System. Under this system breeders of pure-bred live stock placed their herds under the direction of the State Department of Agriculture, the Department arranging to have all of the animals in these here's tested at regular intervals, and if a herd was kept free of tuberculosis, it was registered in Wisconsin's list of accredited herds. The system proved to be of advantage, both to the breeders of live stock and to prospective purchasers. Breeders who entered their herds with the Department were given assistance in keeping them clean and in the sale of surplus stock they found it a distinct advantage to have a State guarantee as to the health of their animals. Similarly the purchaser of a pure-bred animal could buy from these herds with reasonable certainty that he would not be intro-ducing disease into his own herd.

So successful was the system Wisconsin that it has now been taken over by the Bureau of Animal Industry of the United States, and will in future be known as the State and Federal Accredited Herds System. The Wisconsin accredited herds will be transferred to the Federal list and the work will be conducted from Washington. The detailed regula-Washington. The detailed regula-tions adopted by the Bureau of Ani-mal Industry and the State and by the S. Sanitary Board are herewith

presented:

1. A tuberculosis-free accredited pure-bred herd is one which has been tuberculin tested by the subcutaneo method, or any other test approved by the Bureau of Animal Industry, under the supervision of the Bureau of Animal Industry, or a regularly employed veterinary inspector of the State in which co-operative tuberculosis eradication work is being conducted jointly by the United States Department of Agriculture and the State. Further, it shall be a herd in which no animal affected with tuberculosis has found upon two annual or three semi-

annual tuberculin tests, as above de-scribed, and by physical examination.

2. The entire herd, or any cattle in the herd, shall be tuberculin tested or retested at such times as is considered necessary by the Federal and State

authorities. authorties.

3. No cattle shall be presented for the tuberculin test which have been injected with tuberculin within 60 days immediately preceding or which have at any time reacted to a tuber-

culin test. 4. No herd shall be classed as an accredited herd in which tuber-culosis has been found by the application of the test, as referred to in para-graph 1, until such herd has been suc-cessfully subjected to three consecutive tests with tuberculin, applied at intervals of not less than six months, the first interval dating from the

time of removal of the tuberculous animal from the herd. 5. Prior to each tuberculin test. satisfactory evidence of the identity of the registered animals shall be presented to the inspector. Any grade cattle maintained in the herd, or associated with animals of the herd, shall be identified by a tag or other marking satisfactory to the State and

Federal officials. 6. All removals of registered cattle from the herd, either by sale, death. or slaughter, shall be reported promptly to the said State of Federal officials, giving the identification of the animal and, if sold, the name and address of the person to whom trans ferred. If the transfer is made from credited herd, the shipment shall be made only in properly cleaned and

disinfected cars. No cattle shall be allowed to associate with the herd which have not passed a tuberculin test approved by the State and Federal officials.

All milk and other dairy products fed to calves shall be that produced by an accredited herd, or, if from out side or unknown sources, it shall be pasteurized by heating to not less than 150 F, for not less than 20 minntes

8. All reasonable sanitary measures and other recommendations by the State and Federal authorities for the control of tuberculosis shall be complied with.

9. Cattle from an accredited herd may be shipped interstate by certifi-cate obtained from the office of the State live stock sanitary officials of the State in which the herd is lo-cated or from the office of the Bureau of Animal Industry, without further tuberculin test for a period of one

SAVE COAL! SAVE MONEY!

By Prof. Elisworth Huntington, of Yale University.

Less Coal, More Cash. Less Coal, Fewer Colds. Less Fuel, Fewer Deaths. Burn Less, Bury Less.

Burn Lees, Bury Less.

Bave coal and you will now, and the property of the property of the property of the property of the property. It is also easy to see how our fight for ilberty will now the property. It is also easy to see how our fight for ilberty will not be a property. It is also easy to see how our fight for ilberty will not be a property. It is also easy to see how our fight for ilberty will see how our fight coal and you will not be a property of the property. It is also the property of the pro

degrees is the best for the numan rock. Most in its more healthful than dry, provided it is not too warm. Such air feels warmer than dry air at the same temperature, and retains its heat longer.

3. Variations estimate the force than dry air at the same temperature, and retains its heat longer.

3. Variations estimate the force than the force than the force than the force than the first than the force that the force that the force than the force that t

year, subject to the rules and regula-

of the State of destination. 10. Strict compliance with these methods and rules shall entitle the owners of tuberculin-free herds to a certificate. "Tuberculosis-free Ac-credited Herd," to be issued by the Bureau of Animal Industry and the State live stock sanitary authority. Said certificate shall be good for one year from date of test unless revoked at an earlier date.

11. Failure on the part of the owner to comply with the letter or spirit of these methods and rules shall be con sidered sufficient cause for immediate cancellation of cooperation with them by the State and Federal officials.

Appearance of Reactors.-When one or a limited number of reactors ap pear in an accedited herd, thet herd shall remain on the accredited list, but no animal shall be sold from the herd as an accredited animal until such herd has passed the test necessary to reinstate it. Any animal sold for interstate shipment during this time previous to the reinstatement of all the animals in the herd shall be tested to comply with the require-ments of the State into which it is to

be shipped just as animals not of the

Reinstating a Herd Which Has Shown Reactors.—A herd having shown one or a limited number of reactors can be reinstated by passing two semi-annual tests.

Status of Young Animals.—Any animal too young to be tested at any regular herd test may be sold as an accredited animal without a special test until the next regular test of the herd

# Farm Management

The Seed Purchasing Commission T. G. Raynor, Ottawa, Ont.

ARGE quantities of seed grain have been needed during the last two years for some of the pro-vinces. The appointment of the Seed Purchasing Commission was made to meet this demand and they were to do it as near cost as possible. Seed Commissioner Clark, who is respon-Commissioner Clark, who is responsible for the operation of this Commission, says that during its two years in operation they have done \$5,400,000 worth of business and show a credit balance of \$7,400, which is certainly a very small margin.

The Commission control three ele vators, one at Calgary, one at Moose-jaw and one in Winnipeg. These elevators are now equipped with clean ing plants second to none and the re-sult is very satisfactory seed. The best seed wheat, oats and barley that can be found in the west each year is sent in car load lots to these elevi tors, stored and cleaned and sent out again in car load lots to purchasers all over Canada. If less than car lots are ordered the price is advanced enough to cover the extra cost of transportation, etc.

The result of this work has been marked in the west where this seed has been used and in Quebec, which buys in large quantity its seed wheat oats each year. In the case of the Maritime provinces the results are not so marked as the Marquis wheat doesn't seem to be so well suited to their climatic conditions as is the White Russian variety, but which is

not grown in the west.

Already this year the Commission have the right to stop any cars of oats from coming east that are at all suitable for seed. They are sent to threse elevators to be cleaned and used for seed in those parts of the west that suffered so much from drought and frost this season. It is quite possible, in addition to th' that large quantities of Ontario of may be needed for seed to supplement what they may save in the west. Prince Edward Island has come forward and offered to supply seed oats. of which they, too, have an abundant crop. They are good oats but the cost of transportation is greater than for Ontario oats, of which there is an abundance this season and of excellent quality.

### Fertilizers for 1919

OW is the time for the farmer to plan his croppings for 1919, and in doing so to decide upon what fertilizers, if any, he purposes to use Last spring there was considerable disappointment among farmers, espe cially among those who had delayed placing their orders till a few weeks before the season opened, as there was not only a shortage of material but transportation facilities were such that quick deliveries could not be There is no prospect that conditions will be better next spring, and it therefore behooves the farmer this fall to carefully consider his needs, scan the prices and having made his selection to place his orders, stipula-

(Continued on page 10.)

FARM C

Hen Ho



FACTORY PRICES

# GUILD'S SUMMER SALE!

5000 choice yearling hens and 300 yearling cock birds in high re-cord Bred - to - lay Wyandottes, Rocks, Reds and Leghorns. 1918 Mating List gives full particulars of this stock. Write us wants to-day!



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

# SEEDS BOUGHT

Highest Prices Paid for Fancy Red Clover-Alsike, Alfalfa-Timothy, and Pure Seed Grain. Send Samples, State Quantity and Price

WM. RENNIE CO., Limited 130 Adelaide St. East - Toronto, Ont.

## Brantford Kerosene Engines 11/2 to 60 H. P. Stationary, Mounted, Traction



These engines are the perfected process. The control of the contro

GOOLD, SHAPLEY & MUIR CO., LTD. Brantford, Winnipeg, Regins, Calgary. accredited list.

# FARM CHATS

Hen Houses

H. Percy Bianchard, Hants Co., N.S.

NE of the fascinating thoughts in the field of invention to-day is the evidence of a constant return or rather tendency toward simplicities. We see it in medicine and sarts. Not only as in the mechanical state, Not only as in the mechanical state, Not only as in the mechanical state. Not only as in the mechanical state, Not only as in the medicine and state, Not only as in the medicine and the state of the natives. It is complexity evolvant, in the twentieth century in the state of the sta H. Percy Blanchard, Hants Co., N.S.

just as readily as quick-lime will hydrate—when the due time comes.

We do riany unnecessary things, if we only knew it, on our farms. We need to think that arch-gournand, the hog, would gorge himself to death if he got the chance. To-day, they put his food in a hopper and let him eat till he is ready to quit; and strange to say, he quits in proper time. Wonderful messes used to be mixed and times set to the minute for feeding poultry. Now, the different foods for the hense of ry each in its own hopper, and not only does the silly hen feed herrelf, but she does it with more intelligence than her attendant did. The wonderful hot water heated hen house of not so long ago has gone the way of the dodo. Now, a hen house is just an outdoors with a roof on and a shelter from the wind. And now! will tell of what I consider the beet, if heat is based on results, in the way of hen house is ever any.

cheap mixture which will absorb or compound with atmospheric nitrogen just as readily as quick-lime will hy-drate—when the due time comes.

is based on results, in the way of hen houses I ever saw.

It was in Cape Breton in the long ago. There was a man, we will call hin Mr. K., who had a "mail contract" and did a little livery driving. He kept half a dozen horse and they ate a lot of oats. Mr. K. was a man of superior intelligence, in many ways a real genius. When he built his of superior intentigence, in many ways a real gentius. When he built his horse barn he did not follow the general example of throwing the manure to the weather, but built a dight leant to shed to protect it, and this, as it has pended or protect it, and this, as the protect of the shed built was a superior of the shed of the she pour in. Nests were fixed to the wall in a convenient place. It was a per-fect paradise for the hens. Here they scratched and found oats in plenty; scratched and round out in pienty?
They luxuriated in the sunshine and
the warmth from the steaming manure. Outdoors it might be winter or,
the chilly easterlies of March or
April, but for them it was eternal April, but for them it was eternal spring. As to eggs, they laid the winter long. There are objections to having hens around a horse stable. There is an argument for the henhouse like the pictures in your poultry department, but for a scientifically thought out and designed egg factory, that delivered the scories. that delivered the goods and at practically no cost for feed, commend me to Mr. K.'s hen house down at Orangedale, C.B., 30 years ago.

### Our Frontispiece

N the front cover of Farm and Dairy this week appears the likeness of Temisla's Owl's Rogue 152914, who heads the Jersey hard at the University of British Columbia. Thir two-year-old bull was not only champion Jersey bull at the

Vancouver exhibition in 1918, but was vancouver exhibition in 1918, but was also awarded the special prize as grand champion dairy bull over all breeds. He has five direct lines to Spermfield Owl, the greatest sire of producers ever owned in America.
His grand-dam and great grand-dam have each produced over 1,000 lbs. of tutter in a year. He is one of the greatest Jerseys now owned in Canada, and was bred in the New England Sitates.

Philadelphia Quality.

A "cory is told of an old lady who has lived all her life in Walnut Street, as have generations of her family before her. The other day she is said to have consulted a young physician fresh from his honors at the University of Pennsylvania.

"What do you think is the matter with me?" asked the lady.

"I am inclined to think that your

"I am inclined to think that your blood is not pure, madam. I'll have to give you something to purify it." "Sir!" said the old lady with dignlty, "you are probably not aware that I belong to one of the oldest families in Philadelphis."

# The Farmer-Banker Alliance



You go to your lawyer for legal advice; to the doctor for medical advice; why not to The Merchants Bank for financial advice?

If you want a loan to buy cattle, hogs or equipment-if you want information as to how to invest money-come to those who make a business of financial matters, and are in a position to give you sound and impartial advice.

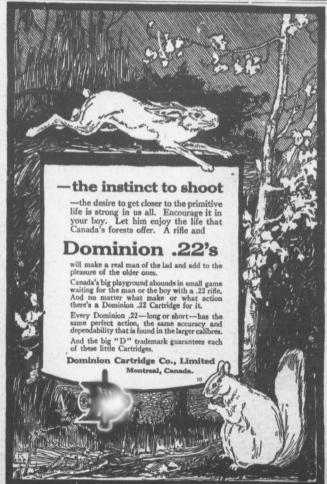
# THE MERCHANTS BANK

Head Office: Montreal, OF CANADA

with its 182 Branches in Ostario, 32 Branches in Ouebec, 19 Branches in Manifolia, 21 Branches in Saskatchewan, 33 Branches in Alberta, and 8 Branches in British Columbia serves Rural Canada most effectively.

WRITE OR CALL AT .NEAREST BRANCH.

Farm and Dairy stands foursquare against everything that is detri-mental to the farmers' interests, and whatever appears in its columns, either advertising or editorial, is guaranteed reliable.



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the farmer to de upon what rposes to use considerable had delayed ned, as there ould not spect that conext spring, and he farmer this der his needs,

ving made his orders, stipulatage 10.)

## Orchard and Garden

### Crchard and Garden Notes

S AVE plenty of seed corn and seed potatoes for next year's planting.

Apples keep well, wrapped in paper and stored in a clean celiar

where there are no odors.

Apples will keep better if they are Apples will keep better it they are picked carefully from the trees and wrapped immediately in paper and placed in boxes in a cool cellar. Rough

handling causes quick decay.
Fall plowing disturbs many insects
and weed seeds in the garden, consequently they do not come back next

season. As a rule the man can be used earlier if fall plowed.

It is best to feed liquid manure to plants after they have been watered with clear water, as they are likely to take the liquid manuro up too rapidly. Rutabagas cut in two and hung in the chicken house make good green feed for the chickens during the win-ter. Mangles, large beets and cabhage are also good.

### Fall Plowing-Insect Destruction

ATE fall plowing is generally rec-ATE fall plowing is generally rec-ognized as one method of pre-venting insect injury to crops. It may be well, however, to remind farmers and gardeners that rubbish

left in piles along fence rows or in fence corners or in the orchard or kit-chen garden affords one of the best kinds of winter quarters for insect pests in various stages. Trash of this and should be cleared away, prefer-ably by burning. This will undoubted-ly destroy many injurious insects which would lay their eggs in the spring or would complete their de-

velopment in the spring.

Large numbers of cutworms and Large numbers of cutworns and other caterpliars which pass the winter in the ground and start into activity in the spring have been parasitized by small files which sting them and lay in them their eggs. These eggs hatch into they worms which live on the juices and substances of the bodies of the immature insects, so

that in the spring, instead of completing their transformation or con-tinuing their growth and their de-structive work they perish.

The subject of beneficial insec for there is a large class of insect that are helpful—is an extensive one and should be more fully discussed among farmers thay it is. They should learn, as far as possible to snould learn, as far as possible to distinguish their friends in the insect world. Many of the parasites men-tioned are so small that they would never be observed by the farmer, but there are many predaceous insects, beetles and others which the farmer should protec, rather than destroy— F. L. Washburn, division of entomology and economic zoology, University Farm, St. Paul.

### Potato Seed Selection

IKE begets like in the potato field as elsewhere, but judging by the quantities of inferior tubers case for seed purposes, the importance of this law is not appreciated by many. The use of small potatoes taken from the bulk of the crop, year after year, and used for seed will eventually lead to yields of inferior potatoes.

At potato digging time the great on portunity for seed selection is offered. With the product of each plant spread on the soil it is an easy matter to select out those plants that have given the largest yield of the most desir. the largest yield of the most degrable type of potate and are free from disease. The potatoes from such plants only should be gathered and saved for use as seed the following year. This saving of seed at digging time may seem to many as an entar burden during a rush of work, but it

There is less actual labor attached to seed sel tion at the time of the potato harvest than there is by practising any other method of seed selection. Furthermore, the results selection are reasonably cerwith other methods there is peculation. Potato growers would do well to watch closely for ex-ceptionally good plants. These, har-vested and saved apart from the main crop, may become the grand-dads of fine potato fields in the future.

### Supplies for Standard Feeds

THE feed situation, according to sources Committee, is satisfact ory. Up to the present time, Assistant Deputy Minister of Agricultur, C. F. Bailey, states that 250 tons of tankage and 5,000 tons of oil cale meal have been purchased. Option nave been taken also on other classes of feed. This feed is purchased for delivery during the months of Sep tember, October and November. They will be distributed at central points in the Province and will be sold to mills manufacturing standard dairy cattle and hog feeds in accordance with contracts entered into with the

Great difficulty is being met in s-curing cotton seed meal in the United States. The price of this meal has been fixed by the United States Fool Administration. Early in the summer the committee made arrangement with the Washington authorities is secure 6,600 tons of votton seed meal, and this shipment will be slow-of this concentrate that will be allowed to be brought into Canada. Under this arrangement the committee hope to be able to make its purchases shortly and have a supply on hand when the demand for standard dairy cattle feed commences, which is like ly to be about December 1.

Mr. Gordon Waldron has entered an appeal against the one of \$500 imposed on J. F. Cross, a Brantford Township farmer, for alleged sedition

# "Put Money in thy Purse!"

O-DAY, Money is Food, Clothing and Arms for our Soldiers in the

Money is the force behind pro-

Money is the bedrock on which Canada's tremendous export market stands.

Money is worth more, to-day, to Canada, and to every individual Canadian than ever before in our history.

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Hold every dollar ready to answer Canada's call for Funds!

Published under the authority of the Minister of Finance of Canada.







GOOLD, SHAPLEY



10, 1918.

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"Yes. Til be there to do my bit' with the fall plow-ing. See me works to do my bit' with the fall plow-ing. See me works to the Experimental Farm. You'll know me.—I'm different FORD MOTOR COMPANY OF CANADA, LTD. FORD MOTOR COMPANY OF CANADA, LTD.

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24-12 h.p.,
The Beaver is a clean cut machine built for continuous heavy work of any kind that is found on the Ontario farm. It operates on kerosene or gasoline and has Waukesha heavy duty tractor motor of four culladors.



The work that the Case is capable of doing on the average farm is almost un leaving competition behind. One is its remarkable parameters and its own reasons for leaving competition behind. One is its remarkable parameters and its own reasons for either duties, it has no peer. One parameters and its own reasons for either duties, it has no peer. One parameters and its own reasons for weight (only 3,700 lbs.). It gets no less than 2,000 lbs. drawer with its light case of the Case Tractors.

All Parameters and the Case tractors.

HAPPY FARMER TRACTOR—12.94 H.P.

Weight Competition behind. One is its remarkable parameters and its light competition behind the weight (only 3,700 lbs.). It gets no less than 2,000 lbs. drawer may be call to light behave it in the light competition behind the leavest of the Case Tractors.

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### TRACTORS AT OTTAWA.

The tractors illustrated on this page of Farm and Dairy will be at the big international Plowing Match at Ottawa on October 16, 17, and 18. Farmers of Eastern Canada will do well to make it a special point to examine these carefully.



Particularly of

# Ontario and Quebec

This is a kindly invitation to attend what we believe will be the greatest Tractor Demon-stration and Plowing Match ever held in America. With the farm help problem facing us as never before, we specially desire as many farmers as possible to be with us and

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BRANTFORD, ONTARIO.

(Continued from page 6.)

ing an early delivery. Cooperation in ordering may effect the saving of a considerable amount in purchasing and freight rates.

During the last ten years there has been considerable increase in the num-ber of farmers in British Columbia, Quebec, Ontario and the Maritime pre-vinces using fertilizers, but unfortunately but a small percentage of them ately but a small percentage of them have any definite knowledge of the profit that may have resulted from their application. There will always be a degree of uncertainty as regards results from fertilizers, chiefly owing to the fact that seasonal conditions to the fact that seasonal conditions can not be predicted, but with close observation from carefully planned work, a very great knowledge may be gained as to the kind and amount of fertilizer which will prove profitable. A series of adjacent plots on fairly uniform soil, each with a different

amount of combination of fertilize and sown to the same crop, furnishes all most reliable means of learning the most proliable application, but if time and labor do not permit of the adoption of this plan, a strip of the field, well staked, should be left unfertilized, and its yield weighed against that of a similar sized strip on the fertilized area. From the results so obtained the profit or loss from the application of the fertilizer may be readily obtained.

A considerable saving may be us-ually effected by buying fertilizer inually effected by buying fertilizer ingredients—nitrate of sods, sulphate of ammonia, superphosphate, basic siag, etc., than by purchasing ready mixed fertilizers, and this course also furnishes valuable information for future guidance obtainable in no other

way.

Information and advice regarding the use of fertilizers will be gladly given as far as may be practicable, by the Division of Chemistry, Central Experimental Farm, Ottawa.

Fertilizing Elements of Manure Prof. Dan H. Jones, Ontario Agricultural College, Guelph.

N fresh manure the plant food ma-N fresh manure the plant food ma-terials are not in as available con-dition for growing plants as in well rotted manure. In the storing of man-ure, however, to get it well rotted con-siderable losses of plant food coeu-unless the manure pile is properly nacked

packed.

If the quickest returns are not wanted following the application of the manure to the soil, then the manure may be added in the fresh condition. If this is done in warm weather the manure should be plowed in as soon as possible after application. The total possible after application. The total possible after application the manure will thus be added to the soil, where they will be prepared the soil, where they will be prepared by the soil bacteria for use by the

growing crops.

The main objections to putting fresh manure on the land are: first, it is

not always convenient to do so; second, weed seeds may be numerous in the fresh manure, consequently a heavy weed crop may be expected; third, its action is not so rapid as in the case of well rotted manure, but it is active over a longer period.

Where manure is to be stored in piles or pits until it is ripened or until it is convenient to use, then the greatast care is necessary to prevent losses of plant food-materials from it. In the first place, the bottom of the pile of plarly to horse manure, which is this is kept well packed and moist, loss by fire fanging is certain. This is an oxidation process or fermentation set going by certain species of bac-teria in the manure. If cow or pig manure is available it should be mixed with the horse manure in the pile, as these are very wet and compact, and these are very wet and compact, and will give a good consistency to the whole mass. Manure so kept will have the minimum of lose and the plant food will be ripened by the various species of bacteria in it, and thus made ready for immediate use by the made ready for immediate use by the growing crops when it is added to the soil. The main things to be remem-bered in storing manure are: first, to prevent leaching; second, to keep it well packed down and moist.

Three Factors that Make Dairying a Success

Good Cows to Come Out Even. and will make the right use of it and there is no reason why we should not run our average production from 3500 run our average production from some to 4500 or 5000 lbs. As I figure it to-day, you cannot possibly come out any more than even until you have a cow that will give 6000 and that is a long way from the average of Nova

long way from the average of Nova Scotia cows. It is possible to get them and that is why we are keeping cows that will give 12,000, 15,000 and 16,000 ibs. and we keep a bull from a cow that gave 18,000 lbs. Breeding from this kind of stock, if we stick at it, will work up the average eventually, and we should, as creamery men, enand we should, as creamery hea, ea-courage the patrons to buy the best, encourage proper feeding, not extra-vagant feeding. If we work hard this we should in a few years have an average of 5000 lbs. for our dairy herds.

When we have done this we will be that much nearer the realization of the goal Mr. MacKay set before as and it will mean a very great thing for the farmers and for the creamery

Disinfecting Stables

REAT care and thoroughness REAT care and thorougness should be exercised in cleaning and disinfecting barus and stable yards in which animals with contagious disease have been kept. Such diseases as glanders, anthrat, rables and, to a lesser degree, tuberculosis, are highly dangerous to man any contaging the as well as to other animals and no laxity should be tolerated in cleaning up premises where these and other communicable diseases have been known to exist.

known to exist.

The expense of a thorough distriction is not large and the equipment needed is simple. The following is a list of the most efficacious distriction: chlorid of Ilme; bichlorid of mercury: formalin; carbolic acid; crude carbolic acid; crompound selection of cresol. A pail and the order paysarying pump is usually attractory for applying solutions of any of the above.—W. H. Feldman.



S INCE a good is so profitable expensive, farmer to give of next seesan No. to use a trap-nes the only way by less there are oth

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Poultry By J. E.
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October 10, 1918

Selecting the Lavers

Since a good laying hen was never so profitable nor a poor layer so expensive, it behooves every farmer to give due consideration to the proper selection of his layers for the proper selection of his layers for next season. Not every farm is able to use a trap-nest, and while this is the only way by which individual pro-duction can be determined, neverthe-less there are other ways of selecting the good from the poor layers. Our present state of poultry breed-

Our present state of poultry breed-ing does not warrant keeping hens, over two years old for laying purpos-se, although the time may come when hens will be profitable producers for four of five years. Owing to the fact that pullets are so much better lay-ers than yearings the bulk of the farm flock should consist of pullets, a few yearlings beling kept as breed-

Go over the flock of hens now and cull out the poor layers. The best layers are usually those moulting late in the season, and some of them take suite a long time to moult laying guite a long time to moult laying all the while. The most active hens are usually the best layers. Hens which are excessively fat are usually which are excossively fat are usually poor layers. Handle each hen care-fully and examine the pelvic bones, which run along each side of the body and approximate each other just be-low the vent. The farther apart these bones the better is the chance of the hen being a good layer. If they are only a finger's width apart she is not laying. By examining the hens once a month for two or three months the

poor layers can be culled out.

The growing stock should be looked upon as the chief source of supply of winter eggs. Observe the chickens from time to time and note particularly those which mature early. Pullets should be in good laying condi-tion by the middle of October but they only commence to lay when practically mature so that it is necessary to ly mature so that it is necessary to keep them growing rapidly Usually those pullets which feather most ra-pidly make the best layers. When full approaches select the ones that are in good health, with bright red combs and with good width between the pelvic bones, for as laying commences these bones get wider apart.

Above all, select healthy vigorous birds.—Journal of Agriculture.

Poultry Pointers

By J. E. Bergey.

Remember that sour milk or buttermilk will make excellent feed for both growing chickens or laying hens. Try some and see the difference it makes.

Are your chickens dumpish and not

doing well? If so, look out for mites.

These parasites are very active during warm weather and will prevent the birds from doing well. Remember that mites live on the roosts, in cracks and joints of the coop or other hiding places during the day. By scaking these places with a liquid flee killer or a solution of four parts soal oil and one part carbolic about ence every two weeks, no trouble is likely to be had with them. The same treatment is good in the hen house.

Be sure to have all the infertile

egs put down that you need for the winter. You will then be in a position to sell the fresh eggs you get during the late fall and winter for a

Rear Pullets or Buy Them?

N an experiment carried on at the Experimental Farm, Ottawa, in the spring of 1917 with Leghorn chickets, the sale of the cockerels paid all

expenses for incubation, brooding and feed for themselves and pullets up until the first of September. When the pullets went into winter quarters the pullets went into winter quarters on November 1st, they had cost over and above what had been paid by the sale of the cockerels just 3.9 cents each. This experiment showed not only that it paid to sell the cockerels early, but it also demonstrated that pullets could be raised much cheaper than they could be bought in the

Why Force the Moult?

Why Force the Moult?

Poultry keepers, lost of them, and the still cling to the idea that, if hens can be induced to moult early, they will be greater egg producers the succeeding winter. "However, this is not the fact," says Mr. Barto, of Cornell. "A very careful and thorough experiment to test this question was conducted a few years ago at Cornell University Poultry Experiment Statlon. The method that is ment Statlon. The method that is starye the flock for about three webs by cutting the ration to one-third the yout the processing the ration to one-third the by cutting the ration to one-third the usual amount and then rapidly increasing the feed to all the birds can be induced to consume. This causes a rather sudden dropping of the old feathers, but the Cornell Experiment Station found that the hens thus treated produced fewer eggs during the fall and winter and at a greater cost per dozen than did the hens fed

"It is better to feed the fowls an abundance of nutritious food, quite rich in protein and fats, during the moulting season, but not to attempt to force the moult by any patent stim-

British Poultry Rations

HE feeding of live stock in the This feeding of live stock in the British Isles since the war began has been, if anything, a more difficult problem than the feeding of the British people. This is particu-larly the case with poultry, which consumes feed that may be also used in the human ration. As a result of the stringent reduction in the allotments stringent reduction in the allotments of food for poultry the hen population of the British Isles has been reduced very appreciably in the last four years. In order to ensure that this reduction will be largely confined to inferior flocks and to maintain the best strains of poultry in the country, the government differentiates in the allowance made according to the

quality of the bird.
All of the flocks in the country, so we understand, have been graded according, to quality and utility value. In order to obtain a special ration of four ounces per bird per day, half grain and half mash in dry form, fow! are classified into first grade and se-cond grade breeding stock. To come in the first category fowls must be (a) utility breeding stock for egg produc-tion, or of utility quality; (b) pure bred stock; (c) the health of the flock must be high; (d) for a period of at must be high; (d) for a period of at least two years the stock must have been bred to meet the above requirements; (e) the owner of the dock must undertake, in consideration of receiving, preferential treatment, to supply, the public with hatching eggs, day old chicks and older stock at a cost no greater than his 1917 charges; (f) selective breeding must have been practized in the fock.

Second grade hirds will receive re-

Second grade birds will receive rations only after the requirements of the first grade have been satisfied. A certain proportion of the allotted foods certain proportion of the allotted foods will be reserved for the preservation of the best utility stock of ducks, turkeys and geese. The ultimate working out of this plan, dictated by war time necessity, will be a remarkable improvement in the quality of the poultry of the United Kingdom.

We had the hardest storm Friday that ever has been here. It blew down trees that were never blown down before.—Greenoastle Banner.



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"Read not to contradict and to confute nor to believe and take for granted, but to weigh and consider."— Bacop.

### Save the Seed Corn

HE shortage of seed corn last spring compelled thousands of farmers to use seed obtained by the government in the southern states. Many who have used this seed, now profess to be well pleased with the new varieties. "Why, my corn is 14 feet high all over the field," one man informs us and his satisfaction with southern corn is being voiced by many others. The weather this fall has been favorable to the corn crop and, in spite of drawbacks earlier in the season, southern corn will be seen to advantage. Even at that, however, there will be much soft silage in the country, and we believe that, in the long run, farm opinion will favor those varieties for the silo that reach a fair degree of maturity. What are prospects of getting seed of these earlier maturing varieties another year? The conclusion of Mr. P. L. Fancher, the Ontario corn specialist, is not reassuring. In a recent circular to Ontario corn growers, he says:

"Every farmer who has good corn fit for seed should save as much of it as possible. There will not be enough seed corn in Ontario this year to meet demand for Ontario seed will warrant extra care this fall." the demand, if every ear fit for seed is saved. The

Mr. Fancher is probably not overstating the gravity of the situation. There is not more than eighty per cent of the normal acreage of corn planted in the seed producing area of Ontario, and only about twenty-five per cent of this eighty per cent is from Ontario seed; and of the seed produced from Ontario varieties, quite a large amount will be required for seed in the counties where it is grown. In order to insure a plentiful seed supply of these varieties in southwestern Ontario for next year's crop, the Federal Government has extended its Order-in-Council prohibiting the export of seed corn from these counties to be effective until November 1st, 1918. This will enable corn growers in the seed corn areas to secure a sufficient quantity of good seed for their own use. For the benefit of farmers outside the corn belt and

also for their own profit, it is hoped that all corn of suitable varieties, fit for seed, will be preserved for the use of farmers in the ensilage districts next

# When Exemption Expires

TTENTION is directed to an announcement of A the Military Service Branch published elsewhere in this issue of Farm and Dairy. The Branch requests that all members of Class 1, possessing exemption as farmers, whose exemptions are expiring and who wish to remain exempt, should communicate with the registrars under the Military Service Act of their respective districts, requesting an extension in time of such exemptions. Questionaires will thereupon be issued to these men by the registrar and they will receive further exemption upon furnishing satisfactory proof that they are contributing sufficiently to the national food supply. The seriousness of the food outlook and the favorable turn of affairs in France, will probably be conducive to leniency in dealing with extension of exemptions to food producers.

The announcement carries an important provision regarding employment for exempted men. Last winter military exemptions required that the men exempted be continuously employed at farm work. This robbed several essential industries, of which the principal was lumbering, of one source of man power on which they had been accustomed to place a large dependence. It is stated that there were thousands of young men only partially employed on their farms during the winter but who could not leave without endangering their exemption. Provision is now made for such cases. Men who wish to take up other employment during the winter may apply to the registrars for permits to engage during the cold months in occupations of national interest, such as lumbering and munition work. The military authorities are to be commended on the wisdom of this provision.

## Pure Bred Stock for Britain

HIS continent is about to make its first shipment of pure-bred stock from the New World to the Old. Mr. Geo. Lane, of Alberta, said to be the largest owner of pure-bred horses in the world, has recently started a Percheron stallion and twenty-six Percheron mares from his Alberta ranch on the way to Europe. These animals were purchased by the Hon. Alexander Parker of Warwick, England. Mr. Parker, who was in charge of the purchasing department of the British Government at the outbreak of the war, visited Mr. Lane's ranches in 1914, and the present purchase was a result of his visit. The selection of stock was made for Mr. Parker by Mr. Lane, Prof. Cartyle, who will accom the shipment to England, and Dr. J. G. Rutherford.

Is this the beginning of a similar trade of large proportions in all kinds of pure-bred live stock? Farm and Dairy would not like to be too definite in basing a forecast of the future on a single business transaction such as this one. English farmers have not been favorable to the Percheron breed, and if an individual estate owner, such as Mr. Parker, de sires to start a stud now, he would have to come to this continent, as breeding stock is not being shipped from France. It is possible that the rusuit of this shipment will be a greater demand for Percherons and a considerable trade may develop. For the same reacon there will be a great demand for American Holsteins when they are permitted to freely enter Great Britain. The Holstein stcks of the Old Country are exceedingly limited and not of the highest quality. At the same time, it is well to remember that British stockmen are still large exporters of pedigreed stock, including Clydesdale and Shire orses, Ayrshire cattle, and all the beef breeds, sheep and swine. With such a surplus for export, it would seem that British farms are not yet depleted of their live stock. That there is a great depletion of breeding stock, taking Europe as a whole, we have every reason to believe. The greatest demand for breeding stock after the war, will come from continental Europe, and it is to supply this demand that Canadian farmers will be well advised to carry their breeding stock as near to normal strength as possible.

The World's Food Situation

HERE seems to be a very general impressiabroad, both in city and country, that the food crisis is past. Future prodigious efforts in pro duction and stringent conservation are regarded as not now so necessary as in the past few years. This attitude is traceable largely to an unfortunate statement made a few months ago, by Mr. Hoover, to the effect that the food crisis is past, and, further, to the more recent easing up on bacon restrictions on the part of both the Canadian and United States Food administrations. As a matter of fact, all evidence points to the necessity for even greater effort in agricultural production than in the past few years, if that be possible, and for a more stringent conservation of food, which should be easily possible

The most disquieting factor, from an allied standpoint, is our lack of a food reserve. There is probably enough food on hand to feed ourselves and the allies until next harvest, and this is what Mr. Hoover meant when he said the crisis was past. But what if crops next year are shorter than this year? The situation is not secure enough to allow us to feel at all easy. In fact, the present outlook is for a decreased acreage in America next year, as many more men will be drafted from the land in both United States and Canada before another crop season opens up. On the whole, too, American crops were good this past year and the average production high There is nothing in these factors to encourage the idea that the food situation is nicely solved for now and years to come.

Another obligation may devoive on the food producers of this continent. Food Controller Thomson, in an address at Montreal, recently, stated that more people will die in Russia during the coming wipter than have died there since the war began-and they will die of starvation. "he situation in Bulgaria, which is now a neutral, is not much better. Many will contend that the Russian people are alone responsible for their pitiable condition and that the Bulgarians, as recent active enemies, need cause us even less concern. Such logic would be creditable to "kultur" but as Christians we cannot see these people starve, if it is within our power to help them. The world's food situation in all truth is serious enough to demand every form of assistance, legislative and otherwise, that will encourage and aid the farmer in keeping his food production at a maximum.

Canada at the National

HE great event of the show season from a dairy man's standpoint is the National Dairy Show at Columbus, Ohio. The "National" now holds the same relation to the dairy industry that the international at Chicago holds to the other branches of the live stock world. At the latter fair, Canadian breeders of beef cattle, horses and sheep have exhibited continuously and always with marked success, adding fresh laurels each year to Canada's reputation as a live stock country. Our dairy industry, on the other hand, has been represented only twice at the National, once by R. R. Ness with his Ayrehires and another time by R. J. Fleming with his Jerseys

This year, again, Canada promises to be well represented. In a recent letter to Farm and Dairy, Mr. R. R. Ness tells us that he has just shipped eighteen head of his Ayrshires to Columbus, and that Mr. Gaibert McMallan, of Huntingdon, is shipping nine head. B. H. Bull & Sons, of Brampton, shipped twenty Jerseys to the National Dairy Show on October 4th. Mr. Bailey, of Oak Park Stock Farm, had planned to take his Hoisteins across, but recent developments at home have made it impossible for him to carry out his intentions. This is regrettable as many would like to have seen the Oak Park herd sire, Lakeview Dutchland Hengerveld 2nd, so is unbeaten in the Canadian show ring, come into competition with Oak DeKol Olkie Homestead, the chanpion Holstein buil of the United States. Recently we have heard a rumor to the effect that Mr. A.E. Hulet of Norwich, may have some Canadian Holsteins at Columbus. Canadian breeders generally will wish there men all success at the National Dairy Show. The trip is an expensive one under existing coaltions and the whole dairy cattle breeding industry of Canada stands to profit by their endeavors.

Te Suffering with pain days, roar bread, in dat and often de curied up in providee a retain a militor was a militor with a militor with a militor was retained in Belgium yet the childrheard their put he invader is menace of state these terribe Relet Fund.

October 10, 11

Letters t

Dairy

E Marsh's let August 29th, ra I never could un the dairy be cre Marsh says in a paper. was place This \$50 would crops; the crop more and they against the dai "saw-off" and re bookkeeping, sv ceipts and corr the cost of crops and has to be a any case. It wo able to debit th of hauling it a necessary, com which prevents keeping books a It is difficult government offi

official connects ment of Agricu "Farmers would obtaining help wages and gave quoted by Mr. 1 often heard city similar remark. that is quite tri and, I think, Agriculture offic if any farmer pa current in his labor, he would farm either in a in this district r hour-often mor skilled occupation

While I am a to comment on "Company Farm say that the " sources Commit vised to move mending the w pany farming by towns and cities to this committ means go ahead could possibly h industry would Canada to have men go in for It is true they probably lots o know a whole lo of producing for and there would expecting, and milk, potatoes, e in many cases, production. I turing concern certain numb obliged by law proportion to th ployes. Prices would soon go Deep Creek Far ation impression hat the food forts in proregarded as w years. This rtunate state-Loover, to the d, further, to estrictions on Insted States fact, all ovigreater effort ast few years, ingent conser-

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the food prooHer Thomson. tated that more coming winter egan-and they in Bulgaria, better. Many e are alone re n and that the need cause us d be creditable annot see these er to help them, truth is serious statance, legislaage and aid the at a maximum.

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to be well repren and Dairy, Mr. shipped eighteen us, and that Mr. is shipping nine rampton, shipped ry Show on Octo Stock Farm, had cross, but recent it impossible for 'his is regrettable he Oak Park herd weld 2nd, so far ag, come into comestead, the cham-States. Recently ect that Mr. A. E. Canadian Holsteins generally will wish ional Dairy Show. her existing condieeding industry of endenvors.

Terrible Conditions Confront Belgian Children

Terrible Conditions Confront Belgian Children

Suffering and the lot of the fieldren of Belgium. Pale, emaciated, racked the fieldren of the children of pre-war days, roam about it from hunger, mere ghosts of the children of pre-war days, roam about it from hunger, mere ghosts of the children of pre-war days, roam about it from hunger, mere ghosts of the children of pre-war days, roam about it from the control to the children of the children of the children of the children of the children. Like hunted thing they avoid the light of rounding the children of the children

# Letters to the Editor

Dairy Accounting

DITOR, Farm and Dairy.—Mr. Marsh's letter on "The Value of Farm Manure" in your issue of August 29th, raises a question which I never could understand. Why should I never could understand. Why should the dairy be credited with the alleged value of the manure, which, Mr. Marsh says in a previous issue of your paper, was placed at \$50 per animal? This \$50 would be debited against the crops; the crops cost just that much more and they are in turn charged against the dairy—so it is only a "saw-off" and results in unnecessary bookkeeping, swelling the dairy rebookkeeping, swelling the dairy re-ceipts and correspondingly swelling the cost of crops. This manure could not, as a rule be sold for anything and has to be got out of the way in any case. It would be just as reason-able to debit the dairy with the cost of hauling it away. It is this un-necessary, complicated bookkeeping which prevents many farmers from which prevents many farmers from keeping books at all.

keeping books at all.
It is difficult to believe that any
government official (presumably an
official connected with the Deparment of Agriculture) ever said that
"Parmers would have no trouble in
obtaining help if they paid decent
wages and gave reasonable hours," as
quoted by Mr. Marsh, though I have
often heard exity people make a very
similar remark. Every farmer knows
that is quite true—and that is quite true—and every farmer—and, I think, every Department of Agriculture official—also knows that if any farmer paid the wages per hour current in his district for skilled farm either in a mortgage sale or in a tax sale. Wages for skilled labor in this district run from 75c to \$1 per hour-often more-and farm work is getting more and more every year a

skilled occupation

While I am about it, I should like to comment on your editorial on "Company Farming," in which you say that the "Organization of Resources Committee" will be well advised to move cautiously in recommending the wide adoption of commending the wide adoptio meading the wide adoption of com-pany farming by business men in our towns and cities. I say, more power to this committee; let them by all means go ahead. The best thing that could possibly happen to the farming industry would be for every city in Canada to have its quota of business men go in for community farming. It is true they would lose money— probably lots of it—but they would know a whole lot more about the cest of producing food than they do now. of producing food than they do now, and there would be far fewer people expecting, and even insisting upon, milk, potatoes, etc., etc., being sold at, in many cases, less than the cost of production. I think every manufacturing concern employing more than a certain number of men should be obliged by law to operate a farm in proportion to the number of its em-ployes. Prices of farm produce would soon go up.—Chas. E. Hope, Deep Creek Farm, Langley Fort, B.C.

### Gravel Roads the Best

DITOR, Farm and Dairy,-We DITOR, Farm and Dairy.—We hear much nowadays in motor loagues and such like regarding the building of concrete greater and the positions of the people one would be remarked to the people one would be concrete that Ontario's rural roads are about the poorest in North America, and that the township council is the most inseficient public body in the country. In this connection I would like to call attendent on an item that appeared in the London Free Press a few days ago: few days ago:-

few days ago:

"That the roads of Western Ontario
are better than those of Michigan is
the opinion of County Engineer Charare better than those of Michigan in the opinion of County Engineer Cnter the opinion of County Engineer Cnter the opinion of County Engineer Cnter across the border. While away are motored through many sections of Michigan, studying the conditions of the different types of roadbeds. There is nothing in the way of construction that will compare with a properly maintained gravel road, Mr. Taibot thinks. Aside from the fact that the gravel road is cheaper to construct than the concrete, in his opinion, it is far superior for county opinion, it is far superior for county construction. There is only one condition, and that is the proper maintenance of the gravel system. The roads in Western Ontario are generally kept in first-class condition, he discovered. Mr. Taibot says he is well satisfied with conditions as he finds them here in comparison to other places."

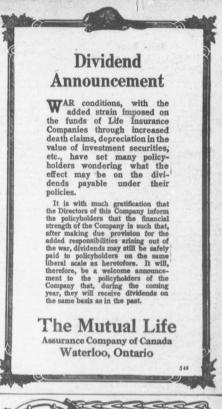
Commenting in turn on this item our own local paper, the Forest Free Press, published the following piece of common sense

"Motorists from Michigan and other States, who are in Forest every day on their way through Ontario, fre-quently say that the roads in this secquently say the roads in this sec-tion are the they travel over. The is due, principally to the exect-lent public service. No the development township councils. No the popular money as judicially, as economically and as profitably as does the average township council. If our higher bodies of public trustees exercised the same care in the expenditure of public care in the expenditure of public care in the expenditure of public care in the repeated the same care in the repeated the same showing. There is no form of taxation, and, strange to say, it is the one peo-ple make the most complaints about. To all this tasy, Hear, Hear! We

To all this I say, Hear, Hear! We farmers must fight every effort made to centralize taxation and spending to centralize taxation and spending power in the government at Toronto. The nearer home the money is handled the less graft there will be. Taxes are increasing at an awful rate and due largely to extra burdens imposed on us by outside authority. We must put an end to it.—C. L. B., Lambton Co., Ont.

The Newest Way.

"How's politics?" "Looking up. Three gentlemen candidates are doing my reaping for me and a couple of lady candidates are helping mother put up preserves."—Kansas City Journal.







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Peterboro, Ont.



HERE there is no hope, there is no endeavor.

# The Blue Checkered Apron

DOROTHY DONNEL CALHOUN. -The Farmer's Wife. "It-it isn't? Pa, I'm afraid to

HOA, Dolly, wh-oa!"
Pa gave the reins a reminding twitch and the old horse ambled to an obedient standanoise ambied to an obedient stand-still in front of the barn door. The necessity of "whose-ing" Dolly had de-parted with a remote frisky colidood but Pa still said it. Indeed he did not know that the "coli" had long ago grown to be an old horse with graying

hair and scanty mane.

As he clambered stiffly out over the edge of the pung into the snowy yard, the mild flurry of excitement in his heart contradicted the twinges in his legs and the protesting creaks in his old joints in the cold. In the midst of his unharnessing in the hay-sweet gloom of the barn his fingers ofter sought the corner of the stiff white envelope protruding from his great coat pocket as if warming themselves on it.

"Land a-livin', Dolly," chuckled Pa softly into the great friendly ear nearest him, "ain't we brought home a surprise to Ma, you'n me? To think we drove down town after a pound o coffee and a yeast cake and come back with this!"

Jubilantly Pa's lips puckered into whistling trim. The shrill cracked joyousness of "Marching through joyousness of "Marching through Georgia" trailed happily across the snowy dusk of the yard to Ma who was watching in the kitchen window. Pa always marched through Georgia when something pleased him. In the wake of the sound came P.

himself, shuffling the snow from his boots in cheerful stamps upon the floor of the porch. A warm whist of good oven-odors hurried to meet him at the door-a hint of mince pies, a promise of chicken stew—and with them Ma, wiping her hands on her blue gingham apron in a plump little whirl of curiosity.

"Something's happened—you needn't tell me, Peter Potts!" she clamored, mildly insistent. "I guess I know the happening sound o' that whistle after bein' married to it goin' on forty years." years.

Pa lingered pleasurably on the ragged edge of his news, making a great task of struggling out of his overcoat and knitted muffler. "I see Miss Piper in the post office," he remarked gullefully. "She

wanted I should tell you there was go-in' to be a meetin' of the Ladies Aid to her house come Thursday and to be sure to get down to it. The minis-ter was shovelling off the front plazza of the parsonage when I drove by. The Carney young ones and Lou Tibbit's has cleared off part of the duck pond

has cleared off part of the duck pond on the common, an'—"Peter Potts!" Ma's tone held gen-tie exasperation. She reached up on liptoe and cut off Pa's flow of news with a firm hand. "Now tell me." Pa's ingers, fumbling obedient! in the cavern of his overcoat pocket, emerged with the equarous pocket, emerged with the equarous pocket, velops. Solemin's her water-reddened flagers came to meet it.

letter on the table in a panic of haste and hurried ovenward with agit ed steps, catching up the blue ging an apron as she went. A pleasant un burned smell oozed reassuringly out into the room and the tense anxiety of Ma's face relaxed into relief. "It doesn't pay to take your mind off the oven, when there's pies in it,"

on the oven, when there's ples in it," sighed Ma self-reproachfully. "I hope the maid'll remember that. You needn't laugh, Peter Potts, I guess 1 c'n call her the maid if I want to. It sounds more folksy-like than plain 'hired girl'!"

Pa Potts was not laughing. Instead he stooped down awkwardly over de-flant little Ma and in a clumsy unaccustomed fashion kissed her on her cheek. The kiss surprised and embarrassed them both, lingering in the lamp-bright kitchen like a pleasant unfamiliar presence. In New England, a kiss is an event.

"Land sakes, Pa!" breathed Ma in

soft amazement.

Forty years ago Peter had kissed her, over the first entry in the little blue bank book. She looked up at him now in queer middle-aged shyness, gently near-sighted, to his bald

ness, gently near-sighted, to his baid spot and the crook in his shoulders from carpentering. Then hastily she veered from the dangerous edge of sentiment, bustling across the room to the stove with brisk rattling of saucepan lids and pots.

"Mis' Decon Clark was tellin' Sun-

day, about a likely girl from round Ragged Hill district that wanted to



A Little Beauty and His Owner's Joy.

—Photo by E. McConnell, Norfolk Co., Ont

absent care and folded them primiy, ceremoniously. At the same time she seemed to have untied the forty years of wearing it. Suddenly she drew a long breath

Good news don't bite, Ma."

Across the odorous kitchen the fussy hissing of the teakettle and the

saucepan lids hobbing over the fire shared the friendly little silence with

the drip, drip of the melting snow on the eaves outside. Suddenly Ma's hands sought her apron strings, un-

nands sought ner apron strings, du-tying them jerkily.

"I've been wearing a blue-checked apron for forty years," she said slow-ly, "Now I guess it's high time I took it off."

She smoothed out the strings with

Suddenly she drew a long breath. "I'm goin' to wear my second-best alpace every day from now on," she cried radiantly, "and I'll get me a new bunnit for meeting. Pat Pat I feel's If I could be a better Methodsist in a velvet bunnit with a bunch o' pink roses on." She laughed up at Pa in trembling excitement. "We said when it got to ten thousand we'd stop say-in' and sermpin' and start in livin'. We sait that a now steat you remember. We set that as our stent, you remem

Peter Potts nodded, his eyes vague reter Potts modaed, his eyes vague with recollection. It had been a long time since they had gloated together over the first tiny entry in the blue bank book in Ma's hand.

The figure had tolled across its

waiting pages by slow stages. It is not easy to wring ten thousand dol-lars from a rocky little farm and a small carpenter's shop. In the wring ing, Pa's back had grown bent and Ma's fingers housework-calloused. But

Ma's fingers housework-calloused. But now their stent was finished. Pa nodded solemnly down at Ma. "We'll retire from business, you'n me, Ma. We've airned the right to a little pleasurin' if anybody has, I guess. I've done my last job carpentering-you've baked your last ple-" "Land!" Ma dropped the precious

hire out," she called back matter-of-factly from the fragrant cloud of "To-morrow you c'n hitch up Dolly and we'll drive round there and see. Now it's high time I got dinner dished up-pa'snips won't wait for bank books-I can't abide 'em when they get all mushed, standin'. Pa-" Ma's voice dropped to the level of solemnity fitting the occasion, "you of solemnity fitting the occasion, "you go to the spare room cupboard an' bring out a jar o' my premium damon preserves an' a loat o' fruit cake. We'll celebrate, Pa!".

The new life of 'Pa and Ma Potts dated from the coming of Gussie Doulttle of the Ragged Hill district the

next afternoon. At the first glimpse of her, Ma saw the cherished plan of a "maid" disappearing beneath a wide freckled smile. Gussie was a hired girl from the tight nub of her red hair to the broad soles of her feet. She was unimaginable in a frilly cap and beribboned apron. Her name, too, filled Ma with grave doubts. Gussie Declittle sounded as if she would forget the pies!

But she was hired and assumed he heritage of blue-checked gingham ap-ron under Ma's critical eyes. The apron did not look at home on a hired girl, somehow. Accustomed to Ma's comfortable wideness of waist, it dangled limply about Gussie's sharp knees in disconsolate folds.
"But you can't hire a girl to fit an

apron," sighed Ma later in the dim primness of the tiny front parlor, where she and Pa were sitting "like folks" in the strange luxury of idle

Pa, stiffly erect on the uneasy edge of the haircleth sofa beneath the cray oney eyes of a grim row of ancestors in black walnut frames, looked up from Fox's Book of Martyrs with obvious relief. The starched splendor of a white shirt bosom chafed his chin unaccustomedly and his humble old shoulders sagged abashed beneath the broadcloth dignity of his "Prince Al bert" coat.

oert' coat.

"I don't know why 'tis," pondered
Pa over his Martyrs, "but a starched
bosomy always sort o' rasps my mind,
Likely I'm not educated up to 'em

"You'll get used to 'em, Pa, gradual," nodded Ma across the marble topped table.

She creaked to and fro in the red plush rocker, looking down at the and ple folds of the second-best alpaca with innocent elation. Being a wo-man, already Ma was used to dressing The creak was suspended abrup: "I been thinking, Peter," a sud den wistfulness of appeal lurked in Ma's voice, "it's real nice isn't it, that little Joey"ll have a chanct now to be proud o' his pa'n' ma?"

"Yes, Ma, yes. "Tis nice."

The rocker took up its creaking again, with reminiscent pauses between jolts. Over the dish pans in the kitchen a shrill bony soprand broke startingly into the doxology above the rattling of cups and saucers
Pa and Ma Potts looked out across

Pa and Ma Potts looked out across the snow-rimmed landscape beyond the parlor window, a sudden parent-look on their gentle old faces. It almost seemed as though they were watching a sturdy little figure tolling with joyous legs up the white slope of the pasture, dragging a sled behind

The names, Pa and Ma, had really belonged to them only four days; but they fitted so well that they had stayed behind after the feeble being who had thus graced them had wailed his last thus graced them had walled his last tiny protest against the discom-forts of life. Some people are born Pa's and Ma's. The pity of it that they are not always the ones to have children! Often Ma had found a gingerbroad

horse or soldier growing under her hands on her moulding board and hid-den it in guilty haste lest Pa should come in and discover her making it; come in and discover her making it; and across the cobwebbest rafters of the shop, Pa had hidden a clumsy little sled fashioned in his odd moments, fearful lest Ma should see.

"Har-ret from th' Too-om," sagg.
Gussle piercingly in the kitchen, "a do-o-leftl so-o-und." Closely following the words came a crash of crock-

ery. The hym. prehensive silence. "Gussie," waile The hymn trailed off into ap

"Gussle," wailed Ma, what've you broke?"

"Nothin', Mis' Potts." Gussle's tone was reassuring. "Nothing to mention 'cept just a teapot. Don't you fret yourself none, Mis' Potts."

Heroically Ma sat back in the em brace of the red plush rocker, grip ping the arms, her lips set firmly in a straight line as one determined to en-joy herself no matter what happens At that moment Ma. too, would have sympathized with the martyrs. "I was married with that teapot," she sighed, mildly uncomplaining, "but it ain't her fault exactly. Likely if I'd a been named Gussie I sh'd broke !" myself, long ago!"

In the days that followed, Ma tried to get accustomed to her hands. She was not acquainted with them in their inactivity. In forty years of sweeping, darning and baking they had never learned the trick of folding them. selves; and now it was too late-

(Continued next week.)

October 10, 191 The Up

Than

Thou crownest O Lord of heaver To Thee all prais How can we sho Who give

HAVE heard the story of a p fore partaking of a crust of brea her heart to God ing, "Lord I than all this and Chris be a story, but it is that that weman spirit of thankfuln God as the Giver she was poor. Nay rich; rich with the of Him who create the earth, rich wis says, "The silver gold is mine, every is mine, and the earth was thankful for, assurance that "His own Son, but for us all, how sha freely give us all. freely give us all t

Many of our read passage in "The I where Christiana a being shown by into a room where and chickens he awhile. So one of to the trough to dri she drank she lifted her eyes towards h he, what this littl your mercies come with looking up."

Nothing, we are c Nothing, we are c Christian graces an pleasing in the div this gift of thankful ledgment of our I goodness in all the s prone are we all to t best gifts just as " to be taken as a mat getting to return the times takes the chast Lord to bring us to goodness. How ofte and upon us have health been apprec restless and in pain of inestimable gift of G

the common blessing What would a blind behold the beauty of behold the beauty of Thanksgiving season flowers and the frui valleys and the swe of our land, and the I have read that if a was to be granted if for just one hour, a opening his eyes he s sun in its glory, eld or setting, he would it with joy at the wond would not willingly its would not willingly ta it to behold any of the of the world. And y many like blessings v Why do you think t

in the Scripture the "own heart." Principa account of his thanki he committed some of sins, yet his psalms so fession of his sins at and thankfulness for C mercies, that God Hi him a man after His

If there are any hea to-day that should sw of gratitude and than time it is those of c While other lands ha the dim

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# The Upward Look

### Thankfulness

Thou crownest the year with Thy codness.—Ps. 65, 11.

O Lord of heaven and earth and sea, To Thee all praise and glory be, How can we show our love to Thee, Who givest all.

-C. Wordsworth.

HAVE heard or read somewhere the story of a poor woman who, before partaking of her humble meal of a crust of bread and water, lifted her heart to God in thanksgiving saying. "Lord I thank Thee that I have all this and Christ." That may only be a story, but it illustrates my point, that that weman showed the true spirit of thankliness, and recognized God as the Giver of all. Do you say she was poor. Nay my friend she was serich; rich with the Illimitable riches of Him who created the heavens and of Him who created the heavens and of Him who created the heavens and rich; rich with the illimitable riches of Him who created the heavens and the earth, rich with His riches who says, "The silver is mine, and the gold is mine, every beast of the forest is mine, and the cattle upon a thousand hills." That is what the woman was thankful for, she rested on the assurance that "He that spared not His own Son, but delivered him up for us all, how shall be not with Him freely give us all things." freely give us all things."

Many of our readers will recall that passage in "The Pilgrim's Progress" where Christiana and her family were being shown by the Interpreter through his house. Conducting them through his house. Conducting them into a room where there were a hen and chickens he "bid them observe awhile. So one of the chickens went to the trough to drink and every time she drank she litted up her head and her eyes towards heaven. 'See,' said he, 'what this little chick doth and learn of her to acknowledge whence your mercles come by receiving them with looking up."

Nothing, we are convinced, of all the Christian graces and attributes is so pleasing in the divine sight as just this gift of thankfulness, the acknowledgment of our Heavenly Father's goodness in all the affairs of life. Too goodness in an the attains of life. Too prone are we all to take many of life's best gifts just as "common" mercies to be taken as a matter of course, for-getting to return thanks, and it some-times takes the chastening hand of the times takes the chastening hand of the Lord to bring us to a sense of His goodness. How often we have seen that only when sickness has laid its hand upon us have the blessings of health been appreciated, and when the the state of the sense of the sense

What would a blind man not give to behold the beauty of the woods at this Thanksgiving season, to gaze on the flowers and the fruits, the pleasant valleys and the sweet flowing rivers of our land, and these we daily see. I have read that if a man horn blind was to be granted the gift of sight for just one hour, and that on first opening his cyes he should pehold the sun in its glory, either at its rising or setting, he would be so transported with loy at the wonder of it that he would not willingly take his eyes from the wood of the world. And yet this one and many like blessings we daily enjoy.

Why do you think was David called.

Why do you think was David called in the Scripture the "Man after God's own heart." Principally, I believe, on account of his thankfulness. Though account of his thankfulness. Though
he committed some of the most deadly
sins, yet his psalms so abound in confession of his sins and unworthiness
and thankfulness for God's pardon and
mercles, that God Himself accounted
him a man after His own heart.
If there are re-

If there are any hearts in the world today that should swell with a song of gratitude and thanksgiving at this time it is those of ours in Canada. While other lands have suffered all

he horrors of war, and more people have died of starvation in Europe than by battle, we have been spared these horrors. The foot of the foeman has sever trod on our shores and not one man, woman or child in our fair domination need go hungry. And once seals from our hearts we can say: seals from our hearts we can say: The pentage of the material the pentage of the pentage of the material the pentage of the pentage of the material riches which include all others prepared for us by the grace of God in Christ Jesus.

God's free mercy streameth
Over all the world.
And His banner gleameth
Everywhere unfurled,
Broad and deep and glorious
As the heavens above, Shines in might victorious, His eternal love. "What shall I render unto the Lord

for all His benefits towards me? I will take the cup of salvation and call upon the name of the Lord."

\_ -J. H. H.

### A Song by the Way By J. H. Hunter.

O, comrades, heavenward faring,
Along life's narrow way.
Let's rest beside the highway
And sing a song to-day,
A song of glad thanksgiving,
And filled with hope and cheer,
For all God's wondrous blessings
And kindness to us here.

Oh, let us thank Him, comrades,
For sunshine and for rain;
He crowns the year with goodness
In stores of goiden grain.
And the dawn of peace is breaking
In answer to our prayer,
And victory is coming

To crown our arms "over there." Lift up your eyes, my comrades, God's goodness to behold; Behind the cloud there's sunshine,

Beyond the grey there's gold. Let's sing of all the mercies He giveth us each day, And as we sing about them The shadows flee away.

### Bulbs for Indoor Blooming

S EPTEMBER and early October is the time to pot bulbs for early indoor blooming. Hyacinths, tulips, narcissus and jongulis are best EPTEMBER and early October is tulips, narcissus and jonquils are best suited for this purpose. A good soil for potting bulbs is composed of one-half part well decomposed turfy loam, the remainder well rotted stable man-ure, leaf mold and sand. These should be well mixed together.

should be well mixed together.

The size of the pot depends on the size of the bulbs and upon the effects desired. As a general rule, for a single hyacinth a 5-inch pot should be used. For tulips and narcissus a 4-inch pot is large enough, the size increasing with the number of bulbs. In creasing with the number of bulbs. In softing place a place of braken put or potting place a piece of broken pot or some coarse ashes over the hole in some coarse ashes over the hole in the bottom to secure drainage. Fill the pots half full of soil, set the bulbs so that the tops are at least one inch below the rim, cover them with soil and press if firmly around the bulbs, leaving at least one-half line's space at the ton'r way are the bulbs, leaving at least one-half inch space at the top for water. After all have been potted and labeled they all have been potted and labeled they should be well watered and placed out of doors, with the pots close to the state of the



Has been Canada's favorite yeast for over a arter of a century. Bread baked with Royal Yeast will keep fresh and moist longer than that made with any other, so that a full week's supply can easily be made at one baking, and the last loaf will be just as good as the first. MADE IN CANADA

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war or peace time
Socks—more socks—the Soldiers' call! The
hosiery industry is booming and the demand
far exceeds the supply
away from slow hand incline by an fill thut get
away from slow hand incline. Use the fast,
reliable, modern Auto Knitter. We gladly
take all the socks you wish to send us and pay
you highly profitable prices.

The Auto Knitter is simple and easily learnt—
and secures a big income for full or spare time work right in
your own home and no previous experience is essential,
particulars enclosing 8s starps. See what come
and the spare of the spare of the spare of the spare of the spare
mily can earn at home besides doing patriotic work.

Auto Knitter Hosiery (Can.) Co., Limited, Dept 3918 607 College St., Toronto.



have these words engraved on her child's gravestone—"Died of Starvation".

Perhaps the child has wasted away with Consump-tion, or has been twisted into a mockery of happy childhood by Rickets, but starvation is at the root of the tragedy.

What else can be expected for a growing child whose daily ration is the bowl of soup and two pieces of bread provided by the United States loans to the Belgian Government?

Begjan Government?

The only hope for the destitute children of Belgium is that we who can afford three meals a day will be moved to pity and send help immediately. Even a small contribution will help to take some child, sinking under its load of trouble, over to Holland, where with good milk, nutritious food, medical care and loving treatment, he or she may regain health, strength and the wish to live. strength and the wish to live.

GIVE—give until you feel the pinch! Don't wait until someone asks you personally. THIS is personal!

Make cheques payable and send contributions to

to your Local Committee, or to

Headquarters: 59 St. Peter St., Montreal.

the em-ter, grip mly in a ed to en-happens uld have yrs. "I pot," sha t, "but it by if I'd broke i

Ma tried nds. She in their f sweep had nevo late-

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# Training the Children

No. 7

### A Parable of a Prodigal Father

THE moral of the following "parable" will be readily apparent to all who read it. It simply is, "Make a friend of your child while there is time." Every boy and every girl needs help, guidance and en-couragement, and who is so fitted to impart this as the father or mother of a child. Rest assured if he cannot find this help at home, he will find it elsewhere, by ways and from those you know not of. Take him into your confidence in all that concerns his personal welfare. Enter into his joys and be ready with your sympathy and advice in his sorrows. Fortunate indeed is the boy or girl who has in father or mother a real confidant and friend, and safe is he from many of the pitfalls of life. Such is the lesson that the parable of a prodigal father

A certain man had two sons, and the younger of them said to his father, Father, give me the portion of thy rather, give me the portool of the time, and thy attention and thy companionship, and thy counsel which falleth to me." And he divided unto them his living in that he paid the boy's bills, and sent him to a select preparatory school, and to dancing school, and to college and tried to be-lieve that he was doing his full duty by the boy. And not many days after, the father

bathered all his interests and aspira-tions and ambitions and took his journey into a far country, into a land of stocks and bonds and securities and other things which do not interest and other things which do not interest a boy; and there he wasted his precious opportunity of being a chum to his own son. And when he had speut the very best of his life and had gained money but had failed to find satisfaction, there arose a mighty famine in his heart; and he began to be in want of sympathy and real companionship.

And he went and joined himself to
one of the clubs of that country; and they elected him Chairman of House Committee and President of the Club and sent him to Parliament. And he would fain have satisfied himself with the husks that other men did eat and no man gave unto him any real friend-

But when he came to himself, he said: "How many men of my acquaintance have boys whom they understand and who understand them, who talk about their boys and seem who talk about their boys and search perfectly happy in the comradeship of their sons, and I perish here with heart hunger? I will arise and go to my son, and will say unto him, Son, I have sinned against Heaven and in thy sight; I am no more worthy to be called thy father; make me as one of thine acquaintances." And-he arose and came to his son. But while he was yet afar off, his son saw him, and was moved with astonishment, and in stead of running and falling on his neck, he drew back and was ill at ease. And the father said unto him, "Son, I have sinned against Heaven, and in thy sight; I am no more worthy to be called thy father. Forgive me now and let me be your friend." But the son said, "Not so; I wish it were possible, but it is too late. There was a time when I wanted companionwas a time when I wanted companionship and counsel and to know things, but you were too busy. I got companionship and I got the information, but I got it in the wrong place, and now, alas, I am wrecked in soul and body, and there is no more heart left in me." The father said. "Son, I had The father said, "Son, I had In me." The father said, "Son, I had hoped to gain thee much money, and behold a stone. Both thy soul and mine may be lost for my folly. We will go back together to the "ight road, but the burden of the return shall be mine." And the Son replied, "Even so be it. What has been, can

not be undone, but maybap more wrong need not be do

So the hired servant brought forth the fatted calf and killed it and there was great rejoicing and the father summoned his friends to the feast saying, "Rejoice with me for behold my son and I whose souls were dead are alive again. We, who were lost, have found each other and will return again to the real things of life." And it was even so, and in after years the son was worthy of his father, because first the father was worthy of his son

# COOK'S CORNER

### Recipes for Using Glucose Apple Sauce.

E IGHT apples; six tablespoons white corn syrup (or glucose) one-half teaspoon cinnamon; one-half

Three cups milk; three-quarters cup corn syrup; one junket tablet; one teaspoon cold water; one teaspoon vanilla. Heat milk, add corn syrup over hot water, stirring the mixture constantly. Crush the junket tablet and dissolve in the cold water. Add this with vanilla to the milk, stir the this with vanilla to the milk, stir the mixture quickly to mix in theroughly. Pour into dishes. Let it stand in a warm place until firm, then cool it.

Rice Pudding.

One-quarter cup rice, three-quarters cup milk; two teaspoons white corn syrup; one-quarter teaspoon nutmer three-quarters cup raisins. Cook the rice in boiling salted water until soft. Pour off water, add milk and other ingredients. Bake in a moderate over for 40, minutes.

Chocolate Cornstarch Pudding. Two cups milk; three tablespoons ch; one-quarter teaspoon salt; two tablespoons sugar; two tablespoons corn syrup (white); one square chocolate; one-half teaspoon vanilla. Wheatless Oatcakes.

Three cups oatmeal; one cup corn flour; one cup barley flour; one teaspoon soda; two teaspoons salt; one third cup brown sugar; one and one quarter tablespoons corn syrup; one cup quarter cup shortening; one cup water. Mix the sugar, corn syrup, water. Mix the sugar, corn syrup, shortening and salt together. Dissolve the sods in the water. Mix the ingredients together in a dough stiff enough to cut. Cut thin.

Potato Drep Cookies.
One cup masked potatoes; one cup corn syrup; one-third cup shortening; the control of t

three-quarters cup buckwheat flour; two teaspoons baking powder; one half teaspoon cinnamon; one-quarter teaspoon cloves; one-half teaspoon nutmeg; one-half cup raisins; one tea spoon salt. Grated rind of one lemon; one teaspoon lemon juice. Mix the ingredients in the order given and drop the mixture by spoonfuls on a slightly greased tin. Bake the cookies in a moderate oven.

THREE cups Graham flour; one half-cup sugar; three teaspoons baking powder; one pound dates. Milk sufficient to make a stiff batter. Graham Gems.

One egg; two tablespoons sugar one tablespoon shortening; one and one-half cups Graham flour; one cup buttermflk; one teaspoon soda; one teaspoon cream of tartar; one-half cup white flour.

### Almond Cakes.

One and one-half cups rolled oats; one tables son butter or a substitute one teaspoon baking powder; one-half cup sugar; one-quarter teaspoon salt; egg; two teaspoons almond extract. Combine dry ingredients, add butter substitute, the extract, and last, well-beaten egg. Shape in teaspoonfuls and place on a buttered pan

Two-thirds cup r scaled milk; thre sugar; one-half to

Actober 10, 1918

Eale in a very m

Oatmeal

prown.

tablespoons melted half cups flour; one tablespoons baking beaten egg. Add sc oats and let stand sugar, salt and m Mix ingredients, Ad mixture thoroughly into well greased n from 25 to 30 minus hot oven. Wheatless

Two and one-ha two cups corn flor spoon salt; three-q three-quarters cup flour, salt and be gether; cut the fat Add water, m as little as possible

Fruit Cake Witho Butt

One cup brown st quarter cups water raisins; two ounces one-third cup shorte spoon salt; one teas teaspoon cinnamon flour; one cup rye flo baking powder. Bol gredients for three sifted together. Mix a loaf pan in a mabout 45 minutes. Nut B

Three cups Graha oons baking powd half teaspoons salt; sugar or corn syrup; cups milk and water ruts (not too fine), washed and floured fleur, baking powde milk and water, sug and nuts or raisins, into greased loaf pa 30 minutes in warm moderate oven 40 to

Women's Institut NCE more our Institute Conve at hand. The The place of Institute will be deal prehensive way at th this is a subject whi more and more atten pated that an addres troller Thomson will ture of the convention of institute work, the demonstration lecture also be dealt with. A minion Experimental

The branches of V meet in convention weeks later-October the subjects to be d the subjects to be deconvention are: "Whith Are Doing to Help" Farm Work"; "My Farmerette." It is eaddress on "The Faddress on "The Faddress on "The Farmerette." It is eaddress on "The Farmerette." It is eaddress on "The Farmerette." Henry, Minister of visit to the Byron Sani many of the institutes tarlo are interested, is

The Central Convent in Toronto during the week of November. T announced later. Pla made to have represe from a few institutes w doing original work ines as one feature of Production and conser work of canning centr prominence. Education better health campaign

the forth e father he feast behold, ere dead ere lost, ill return e." And

, 1916.

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blespoons one-half rters cup teaspoon FR SYTUD et tablet

stir the and in a equarters hite corn nutmeg; Cook the other inrate over dding.

poon salt; vo table ne square a vanilla cup corn one teasalt; one and one rup; one one cup rn syrup,

blespoons

er. Dis-Mix the ough stiff one cup at flour; der: ne-quarter teaspoon ; one tea-ne lemon; Mix the fuls on a

teaspoons und dates, ff batter. ns sugar; one and; one cup e-half cup

four; one

illed oats; biled oats; bubstitute; r; one-half poon sait; lmond ex-lents, add t, and last, teaspoon-ered pan.

Ealer in a very moderate oven 25 to at Aninutes, or until dry and light Drown. Oatmeal Muffins.

Two-thirds cup rolled oats; one cup scaled milk; three level tablespoons sugar; one-half teaspoon salt; two tablespoons melted fat; one and one-half cups flour; one and one-half level half cups flour; one and one-half level tablespoons baking powder; one well beaten egg. Add scalded milk to rolled oats and, let stand 30 minutes. Add sugar, salt and melted fat, and the four sifted with the baking powder. Mix ingredients. Add egg and beat the mixture. thoroughly. Drop spoonful from 35 to 30 minutes in a moderately heat over

Wheatless Pie Crust.
Two and one-half cups rye flour;
two cups corn flour; one level teaspoon baking powder; one level teaspoon salt; three-quarters cup of fat; three-quarters cup of water. Sift flour, salt and baking powder together; cut the fat into the flour mix-ture. Add water, mixing and handling as little as possible. Chill until ready Fruit Cake Without Eggs, Milk or Butter.

One cup brown sugar; one and onequarter cups water; one cup seeded raisins; two ounces citron, cut fine; one-third cup shortening; one-half teaspoon salt; one teaspoon nutmeg; one spoon salt; one teaspoon nutmeg; one teaspoon cinnamon; one cup corn four; one cup rye flour; five teaspoons baking powder. Boil the first eight ingredients for three minutes. When cool, add the flour and baking powder sifted together. Mix well and bake in a loaf pan in a moderate oven for about 45 minutes.

Nut Bread.

Three cups Graham flour; five teaspoons baking powder; one and one-half teaspoons salt; one-quarter cup sugar or corn syrup; one and one-half sugar or corn syrup; one and one-half cups milk and water; one cup chopped nuts (not too fine), or one cup raisins washed and floured. Mix together flour, baking powder and salt; add milk and water, sugar or corn syrup, and nuts or raisins. Mix well and put into greased loaf pan, allow to stand 'O minutes in wern place. Bake in 20 minutes in warm place. Ba moderate oven 40 to 45 minutes. Bake in

Women's Institute Conventions NCE more our annual Women's Institute Conventions are close at hand. The Eastern Conven-17-18. The place of the girls in the Institute will be dealt with in a comprehensive way at this convention, as this is a subject which is demanding more and more attention. It is antici-pated that an address by Food Controller Thomson will be another fea-ture of the convention. The extension of institute work, the nationalization of institutes, discussions on war work, demonstration lecture work, etc., will also be dealt with. A visit to the Do-minion Experimental Farm is anticipated. The branches of Western Ontario

The branches of Western Ontario meet in convention at London two weeks later—October 30-31. Some of the subjects to be discussed at this convention are: "What Farm Women Are Doing to Help": "Women and Farm Work": "My Experience as a Farm Work": "My Experience as a farm of the Park Women and Green on "The Frede that an address on "The Frede that an Long the Later of the Park Mark Work" will be delivered by Hon. Co. S. Henry, Milnister of Agriculture. Henry, Minister of Agriculture. A visit to the Byron Sanitarium, in which many of the institutes of Western Ontario are interested, is promised.

The Central Convention will be held in Toronto during the second or third week of November. The date will be announced later. Plans are being made to have representative reports from a few institutes which have reported. from a few institutes which have been tion a tew institutes which have been doing original work along patriotic ines as one feature of this convention. Production and conservation, also the work of canning centres, will receive prominence. Educational matters and better health campaigns are included

Mr. Germ and Dish Pan PERHAPS never before in the

PERIAL'S never before in the world's history have we heard as much about getting rid of germs around our houses as we do at the present time. There are many appliances such 's dustless dust mops, vacuum cleaners, antisantic survey. ances such 's dustless dust mops, va-cuum cleaner's, antiseptic sprays, household ammonias and cleaners; for removing dirt, etc., and if we make use of these it would seem that we could be "armed to the teeth" against Mr. Germ. There is still a loophole through which the germ finds entrance into many of our homes, and 'hat is via the dish pan. While we have been keeping close

tab on the sanitary condition of our tab on the sanitary condition of our tooms, taking care that the milk and food served is clean, etc., we have to a large messes to the sanitary of the sa tab on the sanitary condition of our

play as germ spreaders, proceeded to make a careful study of dish washing and dish wight in the home from a bacteriological standpoint. She count that an ordinary dinner plate as it leaves the table in the ordinary household has on it anywhere from 30,000 to 30,000 bacteria, the average count of the special state of the sp The dishes were vasled in water of differing temperatures and rinsed in lukewarm water and then the bacteria were counted under the counted under the counted under the counted under direct when washed in lukewarm waterad dried without rinsing, was found to have on its surface 250,000 bacteria, or almost five times as many as it had when brought solled from the dinner table!

This statement m'v seem amazing and improbable; but a little thought will show that it is logical, and the result what might have been expected. What are the necessities for rapid bacterial growth? Warmth and food and what death food. And what does the housewife give to those bacteria when she puts a lot of dinner dishes in lukewarm dish water? Warmth and food! Thousands of housewives are still

washing dishes in water hotter than they can bear their hands in. It

is not hot enough to kill bacteria; in is not not enough to kill bacteria, in fact, it encourages them. So they multiply and increase, and the dishes that are taken out of this water have on them five times as many germs as they had when put into it.

(17)

This source of danger can be eliminated from the househol' by the use of hotter dish water and the careful rinsing of dishes in boiling water.

This investigation, therefore, shows that the hotter the water the fower that the hotter the water the fower the bacteria left alive, and hence the smaller t+ danger of the spread of disease in the family. The experiment of the spread of th by which one hay achieve the maximum of cleanliness in dish washing. They are: First-Carefully scrape all plates

First—Carefully scrape all plates and platters before washing. Second: Do not allow anyone recov-ering from any form of contagious disease to handle dishes during wash-

Third: Do not cough or sneeze while working with the dishes.
Fourth: Have the dish-water hot.
Use a dish-mov,
Fifth: Rinse all dishes in boiling water.

Sixth: Use clean dish-cloths and dish-towels

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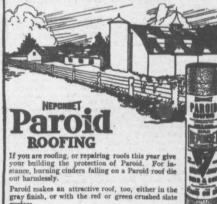
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# A Glance at Blouses. Shoes and Gloves for Fall

Farm and Dairy patterns shown in these columns are especially prepared to a Woman Folk. They can be relied upon to be the latest models and include his most modern features of the paper pattern. When sending your order please be careful to state bust or waist measure for adults, for children, and the number of the pattern described. Orders are filled within one week to 16 days after receipt. Price of all patterns to Our Women Folk, 20 cents each. Address order to Pattern Lept., Farm and Dairy, Pettrbore, Ont.



Tille inlived wait seems to be gaining in favor his season. The style
hallow tabs over a black boy tile, now
the place tryes, although it still has a
serious rival in the low necked blouses.
The tallored waist is usually seen in
or make as the color. The front is very
often tucked after the manner of a
strictly tallored. For the more dressy
waists which are a necessity if one is
wearing a suit throughout the fail and
are the rule on many of the blouses.
Beading, embrodiery and fifth of the color,
the rule on many of the blouses.
Beading, embrodiery and fifth of the color,
are the rule on many of the blouses.
Beading, embrodiery and fifth or valencienzes lines are with all its degrees of
shade, is good style. Capeduin, chamois,
nucle and silk are w.n. also some kidstee the color of the color of the color
desired one might have a couple of over
blouses to wear with the same skirtshelt rimming for the dress. Fur sizes:

1, 10, 12 and 14 years.

244-345-245 usual.—Cape coats are
very stylish nowadays and probably some
diverse or even the small woman,
will no doubt be planed with this deattractive and especially no for slight
figures. The front also shows good style,
as does the sleeves. Three sizes: 15, 18,
244-345-244, Sult.—Cape coats are
very stylish nowadays and probably some
dry out the stunning style. A checked
material trimmed with seariet, would
make quite a chic cuttern, 16 cents for
each. The coat is cut in four sizes:
small, 27-44; medium, 34-45; large, 46-41;

extra large, 44-66 Inches bust measure, while the skirt is cut in sizes from 25 to 34 inches waist measure. In this not a 2556-Citi's Press.—Is this not a 2556-Citi's Press.—Is girls front It is somewhat out of the ordinary and thus should appeal to many of our little folks who are fond of having semething different from their chums. Four sizes 4, 6, 8 and 10 years.

4. 6, 8 and 10 years. 2409—Lady's Apron.—This style of apron has several commendable features. It is practically a complete coverall except for the sleeves, has two commodisms from the shoulders, thus detay away with any slipping off the shoulders for slaces: small, medium, large and extra slaces: small, medium, large and extra

with any slipping off the shoulder? For since: small, medium, large and existing a size of the size of

October 10, 1919

The Make

Using the E REVIOUS to th has thrown aw pounds of buttermil who would accept t they allowed it to ru Mr. Silverwood, Pre cern, has been work Accordingly, pig farm on his ow

the Creamery. pigs. By combining oats, corn and barl termilk, and feeding tankage, he has atte on some of the hop per day. Already supporting, although hundredweight for used, and by the en Canada Food Bulletin

The U.S. Wi

THERE can be the make of c New York states is running lyear, says the New Yiew. This we belie to the keen compe peting outlets inclusion mand for all these larger than last yea though the milk flor not materially differ ago there appears to for manufacture into

In the cheese prof cheese, though lately cheese, though lately what by dry weather, ported to be nearer the east, and if price cheese are attractive other dairy outlets, the yet discernible why have a fairly liberal make. After-feed, bo

The size of the n question of price. to offer as attractive realized from the sal production of some ducts; and judging frent as to prospective prices for the next cheese will have to cents further in orde even terms.

The profit limits have tended to preve from moving up as r have been the case in market; but recently extent of the demand extent of the demand the offerings in re-prices have been jump ly and if the present holds for a few more find inducement suffice a liberal late fall ar make of cheese. It al make of cheese. It all bered that only a very of the country's total used normally for ch that there is possibili cheese producing state terially increasing the of cheese if the pric As we have latent winter cheese I

of Wisconsin is very

10, 1918,

2255

2610

### The Makers' Corner

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

Using the Buttermilk

PREVIOUS to this year the Silver-wood Creamery at London, Ont., has thrown away about 1,500,000 pounds of buttermilk annually. Being unable to find farmers in the vicinity who would accept the milk as a gift, they allowed it to run down the sewer.

Mr. Silverwood, President of the concern, has been worried at this waste and this year determined to put a stop to it. Accordingly, he established a pig farm on his own account, securthe Creamery.

On this farm, he already has 500 pigs. By combining grains, such as pigs. By combining grains, such as oats, corn and barley, with the buttermilk, and feeding a percentage of tankage, he has attained an increase on some of the bogs of 2½ pounds per day. Already the farm is selfsupporting, although Mr. Silverwood charges it at the rate of 30 cents per charges it at the rate of 30 cents per hundredweight for the buttermilk used, and by the end of the year he expects to show a considerable gain.— Canada Food Bulletin

### The U.S. Winter Make

THERE can be no question that the make of cheese throughout New York and neighboring states is running lighter than last year, says the New York Produce Reyear, says the new York Produce Re-view. This we believe is due chiefly to the keen competition from com-peting outlets including condensed, powdered and market mitk. The de-mand for all these products is large mand for all these products is large and it is the general report that it is larger than last year. Hence, even though the milk flow in the east is not materially different from a ago there appears to be less milk left for manufacture into cheese

In the cheese producing territory of the middle-west the make of cheese, though lately curtailed somecheese, though lately curtailed some-what by dry weather, is generally re-ported to be nearer normal than in the east, and if prices prevailing for cheese are attractive in relation to other dairy outlets, there is no reason yet discernible why we should not, have a fairly liberal fall and winter make. After-feed, both east and west

is good.

The size of the make during the coming six months will be largely a question of price. So far cheese prices have not advanced sufficiently to offer as attractive profits as can be to offer as attractive profits as can be realized from the sale of milk or the production of some other dairy pro-ducts; and judging from reports cur-rent as to prospective market milk prices for the next tree months choses will have to advance several cents further in order to compete on even terms.

The profit limits on held cheese have tended to prevent cheese prices from moving up as rapidly as would have been the case in an uncontrolled market; but recently, owing to the extent of the demand and lightness of the offerings in relation thereto, prices have been jumping more rapidprices have been jumping more rapid-iy and if the present rate of advance holds for a few more weeks we may fad inducement sufficient to give us a liberal late fall and early winter make of cheess. It should be remem-bered that only a very small fraction of the country's total milk supply is used normally for cheesemaking and that there is possibility in the larger cheese producing states of very mathat there is possibility in the larger cheese producing states of very materially increasing the winter-output of cheese if the price is attractive benefits of cheese if the price is attractive benefits of enough. As we have said before the hard work latent winter cheese producing power would also of Wisconsin is very large owing to occasionally.

the extent to which winter dairying has been developed

Cream Buying Stations LREADY there are over

A LREADY there are over 100 cream buying stations in West-ern Ontario. They are pretty well distributed over the prairie provinces. Intelligent dairymen, who value the reputation of Canadian but ter, are beginning to view these buy-ing stations as a menace. In the United States, dairymen have had more experience with the buying sta-tion than we on this side of the line tion than we on this side of the line and we may well profit by their ex-perience. In a recent issae of "The Dalry Record," Jas. Sorensen of Min-nesota, writes of them as follows: "One of the main barriers to cream

one of the main barriers to cream grading and paying for quality, is the cream station which stands ready at all times to take any kind of cream at the same price, and as the cream station can do little or no business station can do little or no business in a community where the standard in a community where the standard of quality is high much effort is usually made by the station operator to keep the quality of cream down to a low level. If the creams of the cream is the cream cream, and the cream producer nato this quality business after all, and

HELP FIGHT YOUR

RE you saving any money for Victory? That's the A for Victory? That's the question that has to be answered one way or the other now. Are you doing anything at all to help fight your country's hattles?

Surely it is time to wake up Surely it is time to wake up. What counts is the decision to do things. If you start a saving fund of your own, that settles it, you are on the patriotic side. Your efforts count. If not, you might as well be a spendthrift enemy!

Now is the time to act. Either ou are a patriot doing your bit by saving your funds, or you are by saving your runds, or you are an enemy, disregarding the call of your country and your boys, whose lives are going out at a tremendous rate in Flanders just now

It is not too late to begin. Save for Victory!

the creamery is again forced to fall back in the old rut of paying one price for all kinds of cream.

"If the cream stations were eliminated, there would be some chance of improving the average quality of our butter, as the patron would then pay butter, as the patron would then pay some attention to the advice given by the creamery operator, while now it has become a habit with many pat-rons, to tell the man at the weigh can that they can take their cream to the cream station if it is not good enough for the creamery. How we can hope to improve the output of our cream eries under such conditions is beyond our understanding."

Officials of farmers' clubs who are considering the cooperative shipping considering the cooperative shipping of live stock will be interested in a recent circular, edited by E. G. Gordon, of the Cooperation and Markets Branch, Department of Agriculture, Toronto, on "How to Organize and Manage Live Stock Shipping Associations." Mr. Gordon is specializing in this line of coperative work and the amount of the cooperative work and the suggestions that he makes in circular No. 15 are sure to prove helpful,

City livery stables appreciate the benefits of a bath occasionally for the hard working horse. Farm teams would also be the better of a ba:



# NOTICE-MILITARY SERVICE ACT 1917

# REGISTRATION OF UNITED STATES CITIZENS

Male citizens of the United States living in Canada of AGES 21-30, both inclusive, MUST REGISTER BY RE-AGES 71-30, both inclusive, MUST REGISTER BY KR-GISTERED POST with the Registrar under the Military Service Act of the district in which they live, during the TEN DAYS NEXT FOLLOWING SEPTEMBER 28th, 1918; and such CITIZENS OF THE AGES 19, 20 AND 31-44, both such CHILZENS OF THE AGES 19, 20 AND 31-9, DOIN inclusive, must so register during the TEN DAYS NEXT FOLLOWING OCTOBER 12th, 1918. It must be emphasized that THIS INCLUDES AMERICANS LIVING IN CANADA OF THE ABOVE AGES, MARRIED AND SINGLE, and in OF THE ABOVE AGES, MARRIED AND SINGLE, and m-cludes ALSO ALL THOSE WHO HAVE SECURED DIPLO-MATIC EXEMPTION OR HAVE REGISTERED WITH AN AMERICAN CONSUL, or HAVE REGISTERED FOR MILITARY SERVICE IN THE UNITED STATES.

Registration letters may be handed to local Postmasters for despatch to the proper Registrar, under the Military Service Act.

MILITARY SERVICE BRANCH.



# NOTICE-MILITARY SERVICE ACT. 1917 MEN EXEMPTED AS FARMERS

Having in view the importance of leaving a sufficient number of men on those farms, which are actually contributing to the National Food Supply, notice is hereby given as follows:

1. ALL MEMBERS OF CLASS I POSSESSING EXEMPTION AS FARMERS which is expiring and WHO EXEMPTION AS FARMLERS which is expiring and WHO WISH TO REMAIN EXEMPT should communicate with the Registrars under the M.S.A., of their respective districts, REQUESTING AN EXTENSION IN TIME OF SUCH EXEMPTION. Questionnaires will thereupon be issued to these men by the Registrar and they will receive further exemption upon furnishing satisfactory proof that they are contributing sufficiently to the National Food Supply.

2. In order to facilitate productive employment during the Winter months, MEN EXEMPTED AS FARMERS SHOULD APPLY TO THE REGISTRARS FOR PERMITS TO ENGAGE FOR THE WINTER IN SOME OCCUPA-TION OF NATIONAL INTEREST, SUCH AS LUMBER-ING, MUNITION WORK, ETC. Such permits will serve to enable exempted farmers to pursue other useful occupations for the months during which farming operations cannot be carried on.

MILITARY SERVICE BRANCH.

### BRINGING IN THE CASH

One way to do this is to increase your output by better methods of production—another is to conserve the feeding stuffs you now produce, making them go farther by carefully balancing the feeds. Study out this problem now. The one best book of which we know on this subject is "DAIRY FARMING," by Eckles & Warren. You can secure it from our Book Department. The price is but \$1.50, neathy bound in lines.

Book Dept.

FARM and DAIRY

Peterboro

### Don't Cut Out ! A SHOF BOIL, CAPPED HOCK OR BURSITIS FOR A BSORBINE

will remove them and leave no blemishes.
Reduces any puff or swelling. Does not
blister or remove the hair, and horse can be
worked. \$2 a bottle delivered. Book 6 K free. worked. \$2 a bottle delivered. DOGG OR Arec-ABSORBINE, JR., the antiseptic liniment for man-kind. For Bolin. Bruises. Old Sores. Swellings, Varicost Velns, Varicosities. Allays Pain. Frice \$1 and \$2 a bottle at drargies or delivered. Will tell more if you write. W.F. YOUNG, P.D.F. 1 Lymans Bidg., Montreal. Can.





The Shaw Motorbicycle A high-grade, easy running, speedy of from a third to a hard a saving of from a third to a hard a famous speed of the saving of from a third to a hard a famous Breeze Equipped with fension magnetos. Automatic Inheination. Chain drive. Simple efficient control at all tires. Thousands in use,

Write teelsy for wrice and terms, also shoot the films without many the many of this.

SHAW MANUFACTURING CO. Dept. 185 Calesburg, Kans., U.S.A.

### 77 Acre Farm \$700 Near City of 16,000

Retiring owner offers low price bargain near neighbors, half mile chool, 4 miles town stores, high school, milk station, etc., 45 acres oam tillage, 25-cow, spring-watered, wire-fenced pasture, home-use wood; fruit. 8-room house, barn and working buildings. \$700 gets all, part cash. Details page 31, Strout's New Fall Farm Catalogue of this and other bargains, many with stock, tools, crops; your cony

E. A. STROUT FARM AGENCY Dept. 9.

150 Nassau St., New York, N. Y.

SMALL QUANTITY STATIONERV— 100 sheets of letter paper 8 x 11; 100 en-relopes—printed with name and address and business, in Ontario \$2.25, other pro-vinces extra postage &cts.—Cash with order—Farmers Printery, Beaverton, Ont.

\$5-PRIVATE CHRISTMAS GREET-ING Card Sample Book Free. Men and women already making \$5 up daily in spare time. Bradley Garretsons, Brant-ford, Ont.

Peck, Kerr & McElderry Barristers, Solicitors, etc. 415 Water St., Peterborough E. A. Peck F. D. Kerr V. J. McElderry

# Food Will Win the War

Serve your country and yourself by raising FOOD on the fertile plains of Western Canada. The Canadian Pacific Railway makes it easy for you to Lands \$11 to \$30 an acre; irrigated land up to \$50; 20 years to pay. Loan to assist settlers on irrigated lands. Get full particulars and free illustrated literature from

G. B. MUDDIMAN. Land Agent, C. P. R., Montreal, P.Q.

### SHEEP AND SWINE

Feed for Brood Sows

HAT should I feed brood sows? I have one within one month of farmached. W. New Ontario.

Mature thrifty sows can be maintained in excellent breeding condition on a ration consisting largely of roots. on a ration consisting largely of roots, preferably mangels or sugar beets. During a very cold snap, which, of course, does not apply in this case, some grains should be given to assist in maintaining the animal heat. During the summer sows will keep in good dition without grain feeding at all if they have the run of a fairly good if they have the run of a fairly good pasture. As the sows become further advanced a small grain ration should be fed. Shorts or middlings is excel-lent; so is ground oats; barley or corn, lent; so is ground oats; barley or corn, which are beating in character, should be used sparingly unless they can be fed with liberal quantities of skim milk or whey. Of equal importance with the feeding is exercise. The sow should have plenty of exercise every day, and if compelled to get the most of her living from pasture there will of her living from pasture there will be no difficulty in this connection. An hour or so after farrowing the sow should be given a drink of warm water, into which not more than a water, into which not more than a handful or two of shorts or meal have been stirred. Very little grain should be given the first day. Overfeeding with grain just before or after farrow-ing will cause udder and digestive troubles. At the end of a week, how-ver, she should be getting all she will ever, she should be getting an she win eat up clean. Skim milk or whey are especially valuable at this time, and the same meals are preferred that are recommended to feed before farrow ing—those that are not too heating in

### Acute Diarrhoea

character.

HAVE there young sows thet gave me are purple. At one week old they began to secur. I gave the little ones astronous control of the there are the security of the they are the security of the security of the there are the security of the other are the security of the s

The diarrhoea is caused by either The diarrhoea is caused by effact the nature of the milk or unsanitary surroundings. A sole ration of shorts and water for nursing sows tends to cause diarrhoea in both dam and young. A mixture of two parts oats and one part peas or barley chopped and one part shorts or middlings, with milk and grass or raw roots, would make a much better ration, or even chopped oats and shorts. A nursing sow requires a grain ration of some The administration of a dessert kind. spoonful of lime water and five drops spoonful of lime water and nive drops laudanum: every four or five hours would tend to check the diarrhoes, provided the cause was not kept up. When sows get plenty of exercise and green food, with a little grain during pregnancy, and are fed a proper ration after farrowing, kept in sanitary quar-ters and allowed regular exercise, there is seldom digestive trouble in

Price of Ontario Wool

Price of Ontario Wool

OME of the fellows are kicking
because they think they did
not get enough for their coarse
wool," recently remarked Mr. R. W.
Wade, who had charge of the cooperative wool sales in Ontario, to an
editor of Farm and Dairy. "I have
even heard the complaint that coarse
wool was not realizing as much
through our sules as is being paid to
the wool growers of the United States
for wool of similar grade. In the
first place, I want to say that the
men who are keeping sheep who produce big, coarse fleeces, cannot expect to get the highest price for their
wool. They must expect to get a
smaller price per pound for fleeces of
greater weight."

Mr. Wade then adduced the follow Mr. Wade then adduced the following figures to prove that the price realized by cooperative wool sales in Ontario was even higher than the fixed price for wool in the United States.

od price for moor in			Price for Wool.	P
Medium combing .	Ontario	Shrink.	Scoured 9	Price.
Low medium comb- ing	60%	44 44 44 46	1.33 1,21 1.11 1.39	1.28 1.17 1.07 1.30

After presenting these figures, Mr. Wade added: "I admit that the man with only coarse wool to sell may get with only coarse wool to sell may get more money from the dealer than he will get selling cooperatively, but his extra money comes out of his neigh-bor who sells a higher quality fleece. The dealer pays a flat price and the man with quality wool loses more by selling to him than is gained by the man with the coarse fleece. We grade our wool and men are paid just in proportion to the quality of their fleeces, which is the only right and square way to do it.

Some people seem to think that co-"Some people seem to think that co-operation has some peculiar way of making more money for wool," con-cluded Mr. Wade. "It hasn't. It is merely a better way of marketing."

Hog Minimum Advised in U.S.

HE agricultural advisory commit The agricultural advisory commit-tee and representative stock-raisers have recommended to the Food Controller that a minimum price

of \$15.50 per cwt, be maintained con

THE SINEWS OF BUSINESS -AND WAR.

—AND WAR.

THE bulwark of national credit is a saving and thrifty people. Business to-day is run largely on credit. Credit, in the last analysis, is savings,—the dimes and the dollars that the multitude have the content of the cont put aside against a rainy day. These savings are the sinews of business in times of peace; they are absolutely necessary to national stability in time of

War is waged with munitions and money. All three are essential. The man who goes to the front is a patriot. goes to the front is a patriot. The whole souled munitions worker, whether on the farm or in the factory, is a patriot. And the person who defers all but the absolutely necessary expenditures and saves the nation's credit, is a patriot. Thrift is one of the patriotic virtues in this, the nation's hour retails.

tinuously on hogs in the United States during the war. In recommending this minimum price, the committee says:
"It is recognized that the food ad

ministration has no power to fix the price of hogs or corn, and can influence the hog price only so far as the volume of controlled orders for the army, navy, allies, and export trade will absorb the surplus production. If prices should go so high as to curtail consumption at home and abroad, price stabilization during the next winter would be likely to fall, with

disaster to the producer.
"On the other hand, it must be recognized that the costs of production are necessarily greatly increased, and that to maintain production fair re-turns must be assured to the farmer. It is, therefore, to the fundamental interest of the producer and consumer that both extreme high and low prices should be guarded against.

"In order effectually to carry out the above policy of the food administra-tion it is recommended that in dealing with the packer directions should if

necessary include a definite price basis

necessary include a definite price basis in advance from month to month for the packers' purchase of hogs.

"It is recommended by the committee that the 'average cost per bushel of corn' for the purpose of determining the price of hogs be considered as the average 'farm value of corn,' or "allies are a second to be a se the average 'farm value of corn,' or the average selling price of corn at local radiroad stations as determined by the Department of Agriculture."

Dairy Cows and Hog Production S PEAKING before the dairymen of Alberta at their last convention, Mr. P. Palleson, the well known Calgary dairyman, showed the close relation between dairying and the

relation between dairying and the hog production campaign. "During the past few months," said Mr. Palle-son, some of our best government officials have been out on a campaign for more and better production of for more and better production of hogs and bacon. I am sure they work-ed hard, and honestly, but I do be-lieve that some of the good work has been wasted in speaking to city folks in cities, and grain growers in the wheat districts.

"The former could not produce nound of pork on a bet, not to talk

pound of pork on a bet, not to talk about producing it economically. "Who is the real producer of neces-sities? Why, the man who carries on mixed farming or dairying. I never believed in appealing to patriotism or sympathy. Give the farmers a sympathy. Give the farmers a straight business proposition, and they will see it as quickly as anybody. You cannot make money on hogs if you have nothing but No. 1 hard wheat to feed, but you can produce the first 110 pounds from skim milk. the first 110 pounds from skin milk, whey or buttermilk along with good pasture. Then you can produce the last 90 or 100 pounds from grain. That is the way for greater production, and nobody but the dairy farmer who has skim milk at home, or the farmer who is located near enough to a local creamery or cheese factory to have the buttermilk or whey, is to-day under the present prices of grain, able to be a real producer of

grain, able to be a real producer of hogs and bacon.
"Then, when the farmers were ask-ed to produce more hogs, why were they not told to milk a dozen more cows each to help the first idea? Without the by-products, they cannot pro-

duce the hogs.
"I wish to make this clear, I am not "I wish to make this clear, I am not after the man who worked for more hog production. I am after them for not telling the whole story. How necessary it is to milk more cows at the same time."

Prepare Bees for Winter Now F. W. L. Sladen, Apiarist, Department of Agriculture, Ottawa.

PON every owner of bees devolves at present a national duty: to do his best to keep them alive until they can again add to our depleted supply of sweets. Half the battle is to provide them with good protection during cold weather. If you have not a dry, deep cellar, try to get a friend who has one to let you put your bees in a dark corner there. Do not put weak colonies away for the winter; they consume more stores, so valuable now, than strong ones, and even then are more likely to die. Unite them now while the weather is still mild, and see that each colony has about 30 pounds of when colony has about 30 pounds of wholesome stores to tide it over usill well on in spring. Do not delay. Uniting and feeding cannot be sain-factorily done when cold weather is upon us. If your aplary is sheltered from wind, another good way to wit-ter strong colonies of bees, suitable for southern Canada, is to pack the hives in shavings or to royet to pre-tice a grant fibro held in the case. The case of t

of bees. There was a heavy loss of bees last winter, mostly through ner lect to prepare them with care and in good time.

October 10, 1918 Success in Wint

W. W. Webster, On W. W. Webster, On COOD stores is the in wintering be in young bees co abould be in a hive large so that they heat. In nuclei or contract the hive by combs in an eight i be as snug as "a bug in

absorbent cover. Ye Then I tried using pay partially covering the sealed cover, I covered sealed cover, I covered face. The next and I added an extra thic more as if their very upon it. One year as pens, I forgot to pack good condition. This ing. The sealed new however, was on all ri-ed that the sealed cover

Good stores is the facking and other this tion with wintering ar portance. Mr. J. L. Buissue of "Gleanings," note when he said in 1 out of doors it ma difference provided the me there are great

A Visit With P Stratford (Continued from

they have to pay the aside from their breather are to retain a piss Mr. Smith told mc than had 50 head of purewith a milking herd of Stratford milkman com stable for the milk. His son of old Francy 3rd, o bull. I believe he mer but I have forgotten the distinctly, however, th that his offspring wer through an advertiser and Dairy.

Crops and Cro From the drive doors nd see the crops gro field. Mr. Smith told gether there were abougrain and 25 in new s His favorite grain mixtu ended by Prof. Zavitz his favorite varieties ar oductions-O.A.C. No. 21 barley. Mr. Smith h sure me, too, that h patriotic enough to seed o spring wheat. General rotation of crops form, grain seeded downther two crops of ha As a practical ever been able to follo mb rotation with ex find that Mr. Smith is osition. Winter killing ith the best laid sche ance, last winter Mr ne acres of alfalfa almo lled out. From this spar he took 27 tons of tres. "I will not let this courage me with the ed me. "I cropped th five years and had ery year. Such a free d last winter has not te and it may never h

fully convinced th ch hardier than red cle

est advocate of alfa

er crops, I was glad and make this declars

oduction irymen of onvention, ell known "Dueing ment off campaign netion of thou work work has

ers in the produce a not to talk nically. r of neces carries on . I never armers ition, as anybody on hogs an produce skim milk with good ter producairy farmer ome, or the ear enough sese factory or whey, is prices of producer of

cannot proear, I am not ed for more ter them for story. How nter Now , Department

why were dozen more idea? With-

of bees de-a national best to keep again add to sweets. Half e them with cold weather. ep cellar, try one to let you corner there. des away for nsume more , than strong more likely to w while the and see that e it over until nnot be satisy is sheltered d way to wins to pack the

in the case.

in value since

has every hive heavy loss of y through neg-

Success in Wintering Bees W. W. Webster, Ontario Co., Ont.

W. W. Webster, Ontario Co., Ont.

O'O'D stores is the great essential in wintering beas. Abundance in wintering beas. Abundance in young beas comes next. They should be in a hive that is not too large so that they may retain the head of the store of the store of the contract head of the store of the store

parliary exercises on the type of the sealed cover, I covered the whole surface. The next and following years I added an extra thickness and still upon it. One year any fille depended upon it. One year any fille depended upon it. One year any fille depended in the spring it was strong and in good condition. This shock my faith in how much depended on the packing. The sealed newspaper cover, however, was on all right. This proved that the sealed cover was doing its work.

work.
Good stores is the great essential,
Packing and other things in connection with wintering are of minor importance. Mr. J. L. Buyer in a recent
issue-of "Gleanings," struck the key
note when he said in his title "Cellar
or out of doors it makes very little difference provided there is an abundance of good stores." It seems to me there are great possibilities in appointment at the present time.

### A Visit With P er Smith, of Stratford

(Continued from page 4.) they have to pay their own way, aside from their breeding value, if they are to retain a place in the heft. Mr. Smith told mc that altogether he had 50 head of pure-bred Holsteins with a miking herd of 20 cows. A with a miking gerd of 20 cows. A Stratford milkman comes right to the stable for the milk. His herd sire is a son of old Francy 3rd, out of a 34.6-lb. bull. I believe he mentioned several other records tack of his herd sire. but I have forgotten them. I remember distinctly, however, that he stated that his offspring were selling well through an advertisement in Farm and Dairy.

Crops and Cropping.

From the drive doors of the barn 1 could leek back over the whole farm and see the crops growing in every field. Mr. Smith told me that alto-gether there were about 60 acres in rain and 25 in new seeding clover His favorite grain mixture is a bushel each of oats and barley as recomended by Prof. Zavitz at Guelph, and his favorite varieties are also Guelph productions—O.A.C. No. 72 oats and 21 barley. Mr. Smith hawtened to as-sure me, too, that he had been patriotic enough to seed several acres to spring what. Generally a four-war rotation of rops is followed. Orm, grain seeded down, and then come to the contract of the contract of a page of the yor hay and sature. As a page of they or hay and sature. As the contract of the contract of the sever heen able to followed. is favorite varieties are also Guelph ever been able to follow any rule of humb rotation with exactitude, and find that Mr. Smith is in the same and that Mr. Smith is in the same soliton. Winter killing will interfere tith the best laid schemes. For in-ance, hast winter Mr. Smith had he acres of affalfa almost completely lide out. From this same field lazt are he took 27 tons of hay off five ress. "I will not let this one back-set accurage me with the crop," he as-seed me. "I cropped that same field if the years and had great crops ery year. Such a freeze out as we do last winter has not occurred be-or and, it may never happen again. are and it may never happen again, am fully convinced that alfalfa is ach hardier than red clover." As an roest advocate of alfalfa above all or crops, I was glad to hear my ad make this declaration.

Sources of Income.
This might almost be called a specialized dairy farm. The two sources of Income are milk and pure-bred cattle. This year there will be some wheat for sale. "We feed everything we grow on the farm and then buy lots of &," remarked Mr. Smith. "We buy oil cake cottonsed if we can get it, and shorts in preference to bran, as the latter cannot now be relied upon. Does it pay to buy feed? Well, it pays to buy it if it pays to grow it."

The home here is such a one as I like to see on the farm, but, in its completeness, it is not within the reach of some of us—ourselves, for instance.

of some of us—ourselves, for instance. In the house there is running water, and, as the editor is fond of saying, 'all the conveniences that go with it. and a home lighting system. Mr. Smith is almost as enthusiastic about his lighting system as is Mr. Ballantyne. There are lights all through the house. There are lights all through the house, the stables and in the yards. In addition the electric current supplies the power to a small motor, which runs the washing machine, the churn when it is in use, the vacuum cleaner and the electric iron. In the stable a motor said before, the cream separator. With

CREAMERYMEN ARE FEAR.

C ANADIAN creamerymen are fearful of the results of the recent order com-mandeering all the creamery make to November 9. With no direct restraint on the price of dairy butter, creamerymen fear that its price will shoot up to such a level that the creameries will not be able to compete for cream, more butter will be made on the farms and the creamery business will suffer accordingly.

business will suffer accordingly. The only controlling factor is the limitation on the profits of storage butter that will now come on the market.

A further difficulty in Eastern Ontario is the scarcity of 56-bound boxes. These creameries have been turning out print butter very largely, they have no export boxes on hand and they will be hard to obtain.

such a home and such a farm Peter Smith does well to be satisfied with his portion in life. After spending a couple of pleasant hours with him, Mr. Ballantyne and I headed back for Neidpath Farm, where, picking up the rest of the family, we headed for home almost 100 miles away. What a won-derful thing for the farmer is a car!

Breed Days at the National

ANADA will be well represented at the National Dairy Show at Columbus, Ohio, and Canadians who wish to see the judging should take note of the following dates:

Monday, October 14th, is Ayrshire and Brown Swiss day.

Tuesday, October 15th, is Jersey day.

day. Wednesday, October 16th, is Guern-

Thursday, October 17th, is Holstein

Wartime Economy.

Mr. Benson went to New York to business, but lived in Brooklyn. Often he was not able to get home in time for dinner at night. He told his wife that he would phone her every day as to whether he could leave the office or not.

Mrs. Benson was of a very thrifty disposition, and the following was her solution of the problem: "Sam, if Ler solution of the problem: "Sam, if you find that you can't be home for dinner, phone me at exactly six cyclock. If the telephone rings at that hour, 'll know it is you and that you are not coming for dinner. I won't answer it, and you'll get your nickel back."

# NOTICE To Stallion Owners

INSPECTION OF STALLIONS COMMENCES

# October 16, 1918

The stallion enrolment report containing route of stallion inspectors has been mailed to owners of enrolled horses. Any owner of stallions who has not received a report should write at once to the secretary.

R. W. WADE, Secretary Ontario Stallion Enrolment Board, Parliament Buildings, Toronto

# -See About This One-

# HILLCREST VALE PRINCE

Five Years Old. Weighs 20,000 lbs.

We have twenty-five of his daughters, 10 of them have freshened and are excellent milkers. He is quiet, sure and right in every way; but we must sell him to avoid inbresding. a to avoid inbreeding.

His sire is PONTIAC HERMES, G. A. Brethen's former herd sire, who over twenty tested daughters.

has over leventy tested daughters.

His dan is BEILLE OP WHITTAKER SADIE VALE, who was one of Mr. Brether's original foundation cows and who he also meeting wom his recent dispersion with one other to be the foundation of his new level wom his recent dispersion of the service of the sadie o

HE IS FOR SALE OR EXCHANGE - PRICED RIGHT. Write D. A. McCRAE - Moose Creek, Ont.

### Hillcrest Hengerveld Ormsby

Choice Holstein bull, winner of 3rd prize in class of 15 at Toronto in 1915. He describes the solution of a 25,000-th cow, whose two daughters sold for \$1,200, many local transparent of the solution of a 20,000-th cow whose is out of a 29,000-th daughter of Sara Jewel Hengerveid's solution of the solution of Sara Jewel Hengerveid's solution of Sara Jewel Hengerveid's solution of the solution of

WM. MANNING & SONS WOODVILLE, ONTARIO

# Your Sale Dates

I F you are going to hold a sale of pure-bred stock this season, let Farm and Dairy announce the date for you just as early as possible. We do this very gladly for Breeders, whether you may be one of our advertisers or not. By announcing your dates early, you will average them conflict with others, and indications point towards there being free a heavy offering of registered stock this year. Select you dates and send them direct to

C. G. McKILLICAN Live Stock Representative

FARM and DAIRY

**PETERBORO** 

# OR SALE

Six first-class, high-grade, Holstein cows and helfers in calf. Write for further particulars.

R. J. Tully - Peterboro, Ont-

### BOOKS

Write for our catalogue of farm books. It is sent free on request. Ask us for information on any books you require. BOOK DEPT., FARM AND DAIRY PETERBORO, ONT.

30

HEAD

Clearing Sale =

of Registered

30 HEAD

THURSDAY, OCTOBER 17th. Two Miles West of

MITCHELL, ONT.

Horses--Hogs--Implements

Will Also Sell

FARM OF 200 ACRES

First Class Buildings, good clay loam soil in good state of cultivation, four acres good orchard. Write for further particulars, and catalogue.

JAS. JONES. Auctioneer GEO. FORESTER. Mitchell, Ont.

# Brookdale Stock Farm

OFFERS

Four very choice registered Holstein cows. to freshen before December 1st, all good, large, atraight cows in good condition. Price, \$200, at Fhilipse Willis Stat. CANE. Also four fine large helfers, rising 3 years of age, and the same of the same state of the same state. The same state of the same state of the same state of the same state. The same state of the same state state.

WM. C. STEVENS - - - Phillipsville, Ont.

### 20,000 LB. BREEDING

I am offering three daughters of Pontiac Korndyke Plus. He is sired by links 69/vta Beets Posch, the size of May Echo Sylvia and his dam in Plus Pontiac Artis, 31.66 Be. butter in 7 days, 20.31 Be. milk and 1.04.46 Be. butter for one year, the champlon four-year-oid of Canada for yearly work.—the oily you in Canada to produce over 20,60 Be. milk in one year and average 4 per

cent test.

Hafer No. 1—Born Feb. 14th. 1917, bred July 9th, 1918. Dam gave 20,120 lbs.

Hafer No. 2—Born Sept. 23rd, 1916, bred Feb. 13th, 1918. Dam gave 13,407

Hafer No. 2—Born eyear as 2-year-old and is a daughter of the 20,120 lbs. cow

sbove. Heifer No. 3.—Born Oct. 6th, 1916, bred Feb. 18th, 1918. Dam, Spink Lady DeKol, 18.88 lbs. butter in 7 days and 14,970 lbs. milk in 1 year as a 2-year-old. Also others of equal breeding. Write or come and see them. Prices right. Lynden, Ont.

W. LEMON

# His 2 Nearest Dams Average 38.82

His dam, sire's dam, grand sire's dam and great grand sire's dam, average 35.69 hs. butter in seven days, and over 113 hs. milk in one day, walch is not equalled by any other bull in Canada.

His name is QUASSEY JAKE HURKE. His services may be hired by TOULS write us.

R. M. HOLTBY,

R. R. No. 4,

PORT PERRY, Ont.

### Look Over This Fellow-

He is the makings of a sphenid sire—sired by SIR RIVERDALE ECHO LYCONS, whose four sisters average ever 100 lbs. per day, including MAX BUHGO STLVIAL, world's champion milk geneduces with 41 lbs. butter, and whose two sisters, dam. Butter, dam of the six of the si R. R. NO. 9 . COUGHLIN BROS.

PETERBORO', ONT.

# offers Holstein Friesian bulls from six months to a year old; one over a year, a choice son of a grandduspher of LULIU, Keyes, 56.6 lbs. butter in 7 days. His dam won special for best Holstein, any age, at Jarvis fair, 1917. Where can you beat this for \$1357 R. R. NO. 5,

R. R. BROCK.

SIMCOF, ONTARIO

# MARKET REVIEW AND FORECAST

TORONTO, Oct. 7.—The rainest September in 50 years interfered with wholesale and retail business men report that the dull weather cut into the volume of Atheir trade very considerably. Other of grain and other farm products. It has also made the clover seed harvest, the sotting in other farm products. It has also made the clover seed harvest, the sotting in other farm products. It has also made the clover seed harvest, the sotting in other farm products. It has also made the clover seed harvest, the sotting in other farm products. It has also made the clover seed harvest, the source well filled. Silo filling is now pre-ahead of hast year, both as to quantity and quistly. With an improvement in the corn crop and pies are on the whole sufficient, even in spite of the shortage of hay. Full plowing generally is about tors in Oniario have helped materially in getting the zoll turned over.

The price of Oniarios, Conris cheapers at Chicago, Coarse grains are in demand at firm prices. Hay has advaraed country points. Cheese and butter have both advanced. The cattle market was again easy.

WHEAT.

WHEAT

whear.

Cancelling all its previous orders the Board of Orain Supervisors, on October 3rd, ordered thaulf be \$12.60 per bushel, per supervisors, which was a supervisor to the price at shipping point, it is necessary of putting wheat in store, local freight charges, based on shortest through mileague to Montreal. Sastern milliers may be supervisored to Montreal. Sastern milliers may cent. a bushel for buying wheat for them. Another order makes the price of Ontario No. 2 wheat \$135 a bushel. Will satisfy the supervisor of the contract of

COARSE GRAINS.

There is a good enguiry for Oniario to the control of a good enguiry for Oniario of the control of the control

MILL FEEDS.

MILL FEEDS.

Mill feeds meet with a steady demand at firm prices. Bran, \$36.40; shorts, \$41.40. At Montreal bran is quoted \$37.25; shorts, \$42.5; moullie, \$68; barley feed, \$52 to \$43.

HAY AND STRAW

HAY AND STRAW.

The hay marke is decidedly stronger and at Monteat the government has advanced its price is per ton. Bradstreets report a good enquiry for .anadian hay on American account, but scarcity of care curtails this trade. On this market No. 1 hay is quoted 50 to 521, mixed, 310 and straw, 5 10, 95.00. Montreal quotes No. 2 hay 2. 131.

POTATOES AND BEANS.

POTATOES AND BEANS.
The poster market is stronger, due
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COUNTRY HIDES.

Beef hides, green, 16:: part cured, 18c; cured, 19c to 20c; deacons or bob eard, No. 1, \$6.50 to 57:, No. 2, \$6 to \$6:, No. 1, \$6.50 to 57:, No. 2, \$6 to \$6:, No. 1, \$6.50 to \$7:, No. 2, \$6 to \$6:, No. 1, \$6.50 to \$7:, No. 2, \$6 to \$6:, No. 1, \$6.50 to \$7:, No. 2, \$6 to \$6:, No. 1, \$6.50 to \$7:, No. 2, \$6 to \$6:, No. 1, \$6.50 to \$7:, No. 2, \$7:,

EGGS AND POULTRY.
The Canadian markets generally continue very firm with a steady upward
tendency. Consumption is reported good
for the season. Egg circles are securing
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to

of the eggs it wants, there will not be enough left for domestic use. Receipts of dressed fowl have been heavy and the market is not at all steady.

DAIRY PRODUCE. Receipts of butter at Montreal for the week ending September 28, 1918, were ages as compared with the previous week and an increase of 3,1919 ackages as compared with the previous week and an increase of 3,219 packages as compared with the previous week and an increase of 3,219 packages as compared of 3,461 packages. The government has been very active in connection with the compared of 3,461 packages. The government has been very active in connection with the cutton in commandeering all of the October and a part of the November smale, it is extensive a scale, of the action of the United States Food Administration when the butter in atorsage. The result of the Government's action is that storage engalless will have to a compared to the third of the United States Food Administration when the butter in atorsage. The result of the Government's action is that it is not a compared to the compared of the United States Food Administration when the compared of the United States of the Unit

BORE SPAVIN

eared by Fleming's Spavin and Ringbone
Paste, no matter how old the blemish.
Full prior retunded if if falls to cure either
Bone Spavin, Ringbone or Sidebon.
Fleming's Vest Focker Veterinar Adviser sent free on request.
FLEMING BROS., GLEMISTS
FLEMING BROS., GLEMISTS



\$100 Choice Bull Calf

FOR FALL SERVICE

Write to-day for extended pedigree

LYNN RIVER STOCK FARM

October 10, 1919

160. Hyacinthe,

at 22 arcsec.
Cattle prices receive
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ten LIVE ST on Thursday with que this level. Breeding from \$14.60 to \$16.60 almost equal to the la meeting a fair inquiry. Hog prices remain a comparing fed and we "to,b," prices country and watered quotation week was \$19.25, while to local butchers at \$11 Quotations:—

Heavy steers, choice

o. good steers an heifers, choice sod medium common common

good ... medium

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EASTERN TOWNSHIPS SELL WEL

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Ther was a fair crowd or size of Stock Farm'
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Peter Arkell.

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LIVE STOCK.

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do. good	12.00	5 to	\$15.00 13.50
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do, medium	8.25	to	10.00
do. common	7.00	40	8.75
Butchers' cows, choice	9.00	40	7.75
do, good	8.00	to	10.50
do. medium	7.25	10	8.50
do. common	6.75	to	7.75
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Butchers' bulls, choice		to	6.50
do. good	9.25	to	10.50
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	9.50	to	7.75
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Calves, choice		to	100.00
do. medium	12.00		16.50
do. common	8.00	to	13.00
do. grass	7.50	to	10.50
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do. f.o.b			19.75
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\$3 to \$3.50 on sows; less \$5	CON CO	HINGS	Ivo4
50c to \$1 on heavies.	wel Bi	468	1088
ALTERNATION OF THE PERSONS			

EASTERN TOWNSHIPS' AYRSHIRES

A YESTHEES brought good prices at the dispersion sale of 'Old Money and the dispersion sale of 'Old Money Chen, on Wednesday, September 100. There was a fair crowd considering that the sale of the s

is 2,965 hs. butter on the 88 per cent by the butter of the 88 per cent with highest priced cow was "Belay of Sunniversok", a splendid type cow out of Sunniversok", a splendid type cow out of the splendid type cow of the splendid type

# Coming Fall Sales

OCTOBER 29TH.—Alex. Shaw, R. R. No. 2, Lakegide, Ont. Holsteins OCTOBER 30TH. — A. W. Churchill, Gananoque, Ont. Hoisteins.

OCTOBER 31ST.—The Ontario Agricultural College, Guelph, Ont. Pure bred stock.

NOVEMBER 27TH. - Dundas-Grenville Ayrshire Club. NOVEMBER 27TH.—London Dis-triot Holstein Breeders' Club

DECEMBER 3RD. — Arbogast Bros., Sebringville, Ontario, Hol-teins.

DECEMBER 11TH. - Welland County Holstein Breeders' Club, DECEMBER 17TH. — Oxford County Holstein Breeders' Club. DECEMBER 18TH.—Brant Coun-

# THE OLD SUMMER HILL FARM

The home of the highest priced Canadian bred Oxford ram ever sold The home of the highest priced Canadian bred Oxford ram ever sold in Canada, sold to a Missouri man for \$300. We have for sale 250 Oxford ewes from 1 to 5 years old, 50 selected yr. to 2 yr. gams for the control of the control of the control of the control oxford ewes and the control oxford ewes and the control oxford ewes the control oxford execution ewes the control oxford ewes the control oxford ewes the control oxford ewes the control oxford execution ex

Address all Correspondence to

Peter Arkell, Bus. Mg., Box 454, Teeswater, Ont.

# Choice Ayrshire Herd -8 Females - FOR SALE - 1 Bull

Two of the females are mature cows, one with an official yearly record. There are three four-year-olds, one a first prize cow at Halifax last fall, one two-year-old, and two yearlings, one of which is sired by a son of Jean Armour, R. of P. over 20,000 lbs. prilk in one year.

# Also My Herd Sire 4 Years Old

a son of Flavia 3rd of Ottawa, and sired by Monarch of Tanglewyld, who is a son of Flavia 3rd of Ottawa, and aired by Monarch of Tanglowyld, who is a son of Primrose of Tanglewyld, with over 16,000 lbs. milk in one year, R. of P. I would prefer to sell them as a hered but if necessary would break them up. This is a splendid opportunity for anyone wishing to buy a small them up. This is a spiendid opportunity for anyone wishing to buy a herd and to start right in with something real good. Pedigrees and p

# H. A. Stewart, Shubenacadie, N.S.

PLEASANT VIEW AYRSHIRES

Toung calves, either sex; several from R. O. P. cows. It will pay to come and see or write for prices if wanting anything in choice Ayrshires.

A. HENDERSON R. R. No. 4

ATHENS, ONTARIO

### - AYRSHIRES

you want Ayrshires of the right kind, write us. Possibly we have what you want PALMER BROTHERS

ELMCREST AYRSHIRES -

Herd Sire—Glenhurst Torrs Mauter, sired by Lessnessnock Comet.
Stock for sale, all ages, at reasonable prices, 75 head to pick from. Some good may bulls. Call or write for prices. SANDILAND BROTHERS

CHOICE JERSEY SIRE

CHOICE JERSEY SIRE

EDGLEY BRIGHT BOY FOR SALE

EDGLEY BRIGHT BOY FOR SALE

Who is abrier of Suribsam of Edgley the Canadian champion R, of P, with 18,744 lbs.

milk and 935 hb. milk 561 lbs. fat.

We have other good cowe besides Sunbeam. Come and see them.

JAMIS BAGG & SON (Woodbridge C.P.R., Cencerd G.T.R.) EDGLEY, ONT

YORKSHIRE HOGS OF BEST WINNING STRAINS. \*\*YORKSHIRE HOGS OF BEST WINNING STRAINS.\*\*

\*\*Choice stock for sale, all ages. Sows bred and ready to breed, younger stock, both varieties Turkers, Geese, Ducks, Chickens. 100 yearing S. C. White Leghorn hens. A. KiNG.

# -CLOVER BAR STOCK FARM OFFERS

A few choice young buils for a sale, from heavy producing dams, sired by a son of Francy 3rd, Write now for description, photo and price.

R. R. NO. 3. STRATFORD, ONT.

RIVERSIDE FARMS.

We can supply you with build from three to eleven months old, from dams with ords up to \$2 lbs. butter in one week. Inspection invited. W. RICHARDSON CALEDONIA, ONTARIO.

# FOR SALE

# Two Thoroughbred Registered Percheron Stallions

Two or three years old. Owner obliged to sell on account of his ill health Apply to P. W. BROWN, - 599 Homewood Ave., PETERBORO, ONT.

# -Bull Calf of Royal Breeding-

est dams average over 30 lbs. butter in 7 days, his 11 nearest over 29, and est dams average over 20 sos. outter in 7 days, his 11 nearest over 22, shd his 23 nearest over 27 lbs. butter in 7 days. His dam, a Korndyke helfer, is a grand producer. Price, \$175. Write or come and see him.

JOHN M. MONTLE, Prop. Sunnyside Stock Farm STANSTEAD, QUE-

For immediate sale, several young registered helifers (yearlings) from R. of P. cows Herd sire "FINDERN PEARS, Offisher PATRE." Sire Finders Valdesse Ormsby Payns. Write or come and see them. JOHN S. SMITH

# The "O'Reilly Stock Farm" Holsteins

headed by "King Segis Pontiac Posch" son of the \$50,000 bull. We have one beautiful young bull fit for service and some younger that we are offering at very reasonable prices. Write us before you decide on anything in the Holstein line. It will pay you.

JOSEPH O'REILLY R.R. No. 9 PETERBORO, ONT.

# Increase your potato yields by 20%

T has been definitely proven both by scientific experiment and by practical experience that vigorous, disease free seed potatoes grown in Northern Ontario are superior to seed from any other source, for planting in Old Ontario. Here are some results that have

The Ontario Agricultural College Reports as Follows:

For five years seed potatoes of one variety from Northern Ontario, New Brunswick and Old Ontario have been planted side by side under exactly the same conditions. In each year Northern Ontario seed has led, New Brunswick has come second, while Old Ontario seed has given the lowest yields. Last year the yields were 359, 318 and 220 bushels per acre respectiven the lowest yields.

The Dominion Central Experimental Farm, Ottawa, Gives as Convincing Evidence: -In 1917 seed of the Green Mountain variety was secured from New Ontario, New Brunswick and Old Ontario, and planted upon-the same soil and cared for identically. The resultant yields per acre were: New Ontario, 380 bushels; New Brunswick, 257 bushels; Old Ontario,

By Practical Ontario Farmers

the same results have been secured. Several have grown Northern Grown seed potatoes and are unanimous in declaring that their yields were increased thereby not less than 20 per cent. They have proven by practical experience that it pays to buy first class seed potatoes from the North.

There are Definite Reasons for this Increased Yield

There are Definite Reasons for this Increased Yield
The climate in New Ontario is cool and moist, better
adapted to the vigorous development of the potato, thus
eagendering superior vitality in seed tubers. In Old
Ontario prolonged heat and drought often arrest growth and
weaken the vitality of the potatoes. These latter conditions
produce a well mature duber excellent for table purposes
but not of highest quality for seed.

The seed produced in Northern Ontario is immature, the
plants remainling green and vigorous until frost cuts then
down. It is a well known fact among potato growers that
immature seed, other factors being equal, out-yield well
matured tubers.

The most serious of potato diseases, Leaf Roll and

matured tubers.

The most serious of potato diseases, Leaf Roll and Mosalc, because of climatic conditions do not make such rapid progress it. New Oniario, and when present do not so greatly weaken the video of the plants, as they do in Old Ontario. Leaf the more serious of the two, is self-olm found among the native stock in the North. These diseases, on goar by the Federal Department of Agriculture diseases, and the progress of the Federal Department of Agriculture video for the progress of the progress favorable to their development.

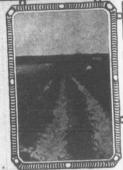
Not all Northern Grown Seed, however, will Give These Greatly Increased Yields

it cannot be expected that seed bought indiscriminately will give the best results. The factors governing the production of first-class seed potators hold true in New Ontario as they do in Old Ontario. The foundation stock must be as true to variety and as free from disease as its practicable, cultural methods must be good, the crop must be inspected and rogued for disease in the growing condition, and the high standard thus obtained must be maintained by careful selection. Where none of these factors are omnidered it is idle to expect that seed from any source with any assurance that the yields will arrant the expenditure involved. As neither Leaf Roll or Mosaic are indicated It cannot be expected that seed bought indiscriminately

Illustration below shows Field Meeting of Seed Polato Grow-ers in Algoma, Called by Agricultural Representatives to Dis-cuss Disease Control and the Production of High Class Seed.



by the appearan the tubers, it is always the part of wisdom to demand an authentic statement from the regarding least the percentage of these diseases present in the crop.



A Rainy River Potato Field Free From Physiological Disease, and True to Variety.

High Class Northern Ontario Seed Potatoes Now Available

Tigil Class Normeth Uniano See Foliaces New Available
To ensure an adequate supply of seed potatoes reasonably
true to variety and free from disease the Ontario Department
of Agriculture has encouraged the development of a seed
potato industry in Northern Ontario along extensive lines.
A quantity of good foundation stock was distributed at cost
to Northern farmers: who have concepted, with the Depart-A quantity of good foundation stock was distributed at cost to Northern farmers who have co-operated with the Department with excellent such as To limit the multiplicity of varieties in Ontario only close of the Irish Cobbier and Green Mountain types to those. The Federal Department of Agricultures appared a staff of Inspectors, who inspected the grown from disease, and inspected the tubers this fail after being dug. The potatoes which conformed to the standards approved by these Departments for seed are now certified as to quality and are recommended for purchase by Old Ontario growth and are recommended for purchase by Old Ontario growers.

All such recommended seed potatoes are to be sold by Northern farmers in bags, each bag to bear a tag stating the name of the variety, the recommendation of the Federal De-partment of Agriculture and the name and address of the

partment of Afficulture and the name and address of the Trower.

Unfortunately the supply of this certified seed, both of the Irish Cobbler and of the Green Mountain types will not, this year, equal the demand. Next year, however, if weather one certified seed potatoes should be adequate for all purpose. Arrangements have been made by the Outario Durment of Agriculture to put farmers and farmers' associations in New Outario who have inspected any core associations in New Outario who have inspected are commended lot only. 'Jommunications will receive attention the order in which they are received. Exact prices will be quoted upon demand. In order to take advantage of the chaper lake and rail freight rates, shipments will have to be made before anvigation on Lake Superior closes—usually early in November.

Please Note-Orders will be received for Carload Lots Only

Any wishing to avail themselves of this opportunity to buy first-class Northern Ontario grown seed are advised to order them at once. For full particulars write the Office of the Commissioner, Ontario Department of Agriculture, Parliament Bulldings, Toronto.

Ontario Department of Agriculture

Parliament Bldgs., Toronto

HON. GEO. S. HENRY, Minister of Agriculture.

DR. G. C. CREELMAN, Commissioner of Agriculture.

ONTARIO

Use selected Northern Ontario seed potatoes